A

Abe R, 461
Abeni D, 602
Aberger F, 1180, 1503
Abraham DJ, 1
Aeby P, 1154
Aguilar G, 1432
Akasaka T, 805
Akiyama M, 1225
Alani RM, 549
Al Ismaily A, 78
Alexander A, 1245
Allanson M, 1030
Allen DM, 1091
Almer D, 1050
Al-Suwaid R, 78
Amagai M, 1145
Amin S, 1108
An J, 266
Andersen MH, 392, 1336
Anderson A, 1198
Anderson RR, 518
von Andrian UH, 830
Angelini S, 342
Angelo C, 837
Anissimov YG, 993
Antonicelli F, 256
Ao Y, 896
Appel S, 1096
Aragane Y, 1225
Arancia G, 349
Arduino P, 87
Ariizumi K, 1225
Arnaud RS, 984
Asahina A, 95, 1331
Asano Y, 1390
Asemissen AM, 685
Ashton GHS, 78
Asker CL, 587
Aslanian S, 1042
van Assen Y, 923
Assfalg G, 685
Atherton DJ, 78
Audring H, 579, 859
Auwerx J, 971
Avery MA, 130
Awwad RT, 497

B

Baatz H, 830
Bäck B, 190, 1342
Baggetta G, 837
Bagot M, 111, 820
Baker BS, 640
Balin AK, 1096
Balin SJ, 1096
Balmain A, 699
Baranowsky A, 1423
Bar-Eli M, 400
Barker JWN, 1401
Barland CO, 330
Barrett JH, 429
Barrié L, 608
Barzilai DA, 246
Bataille V, 429
Bauer JW, 1050
Bavinck JNB, 1456
Beck H, 1154
Becker B, 361
Becker JC, 392, 1336
Beckmann I, 147
Behne M, 909
Behne MJ, 320
Behrmann I, 414
Bellon G, 256
Benson SC, 130
Bensussan A, 111, 820
Berger A, 1050
Bergman R, 647
Bernard D, 1235
Bernard P, 256, 1413
Berneburg M, 1277
Bernstein P, 546
Bertram CG, 429
Bertsch HP, 1495
Berwick M, 1245
Besch R, 1114
Bettermann A, 235, 840
Bhagavathula N, 130
Bhushan M, 209
Bianchi L, 1037
Bignon YJ, 369
Bikle DD, 984
Binni F, 450
Birch-Machin MA, 1518
Birembaut P, 256
Bishop DT, 429
Bishop JAN, 429
Bisset Y, 423
Bloemers HPJ, 1293
Blokx W, 1321
Blume-Peytavi U, 14
Bodo E, 840
Boehncke W-H, 830
Böhm M, 468
Bonafé J-L, 608
Bong AB, 1266
Bonkobara M, 1225
Borel A, 621
Borgiani P, 1106
Borradori L, 65, 103, 1413
Bosserhoff A, 414
Bouez C, 621
Boumsell L, 111, 820
Bowcock A, 717
Brandner JM, 1310
Brantley DM, 691
Brash AR, 691
Brattsand M, 1235
Brenchley PEC, 209
Breza TS, 1488
Bristow J, 885
Broccoletti R, 87
Broome A-M, 29
Brown BE, 320, 971
Brown BS, 330
Brown VL, 1284
Bruckner-Tuderman L, 65, 84, 1372
Brugger K, 406
Bruijnzeel PLB, 1448
Bruinenberg M, 61
Brzoska T, 468
Bulli C, 1106
Burgeson RE, 278
Byers HR, 900

C

Caird A, 640
Cairns WJ, 971
Calcabrini A, 349
Calvas P, 608
Campione E, 1037
Candi E, 837
Cao L, 717
de Capei MU, 87
Carneiro R, 927
Carrozzo M, 87
Carter F, 739
Catricalà C, 450
Caubet C, 747, 1235
Cauza K, 406
Çelebi JT, 1325
Cenizo V, 621
Cerroni L, 1342
Cescon D, 1054
Chae E-K, 1365
Chalon P, 111
Chambon P, 971
Chamulitrat W, 1000
Chang C-H, 1348
Chang K-L, 125
Chang LW, 125
Chang S, 971, 984
Chang-Rodriguez S, 670
Charon C, 640
Chassaing N, 608
Chen G-S, 125
Chen J-J, 658
Cheng L, 549
Chignell CF, 533
Chimenti S, 1037, 1106, 1327
Chittiboyina A, 130
Choei H, 461
Choi B, 1432
Choi EH, 984
Choy MHW, 314
Christensen DH, 443
Christiano AM, 909
Chuang G, 971
Chuong C-M, 1348
Civin CI, 549
Clark RAF, 266
Colbert RL, 1091
Colone M, 349
Conrad F, 840
Conway K, 1245
Cooper GS, 246
Cooper KD, 246
Costanzo A, 1037, 1106
Couchman JR, 266
Coulombe PA, 965
Cowin AJ, 791
Cribier B, 1078
Cristofalo VJ, 1096
Cronin JG, 1284
Crook T, 1284
Cross SE, 993
Crumrine D, 314, 984
Crumrine DC, 909
Cruz PD, 1225
Cui Y, 658, 1121
Culouscou J-M, 111
Curtoni ES, 87
Custis N, 927

D

Daehn IS, 791
Dai X, 1356
ten Dam GB, 707
Dame MK, 1471
Dametto E, 87
Damour O, 621
Dardenne O, 984
Debret R, 256
Declercq L, 484
Decraene D, 484
Degitz K, 1114
Dellavalle RP, 855

Copyright © 2004 by The Society for Investigative Dermatology, Inc.

A

Abe R, 461
Abeni D, 602
Aberger F, 1180, 1503
Abraham DJ, 1
Aeby P, 1154
Aguilar G, 1432
Akasaka T, 805
Akiyama M, 1225
Alani RM, 549
Al Ismaily A, 78
Alexander A, 1245
Allanson M, 1030
Allen DM, 1091
Almer D, 1050
Al-Suwaid R, 78
Amagai M, 1145
Amin S, 1108
An J, 266
Andersen MH, 392, 1336
Anderson A, 1198
Anderson RR, 518
von Andrian UH, 830
Angelini S, 342
Angelo C, 837
Anissimov YG, 993
Antonicelli F, 256
Ao Y, 896
Appel S, 1096
Aragane Y, 1225
Arancia G, 349
Arduino P, 87
Ariizumi K, 1225
Arnaud RS, 984
Asahina A, 95, 1331
Asano Y, 1390
Asemissen AM, 685
Ashton GHS, 78
Asker CL, 587
Aslanian S, 1042
van Assen Y, 923
Assfalg G, 685
Atherton DJ, 78
Audring H, 579, 859
Auwerx J, 971
Avery MA, 130
Awwad RT, 497

B

Baatz H, 830
Bäck B, 190, 1342
Baggetta G, 837
Bagot M, 111, 820
Baker BS, 640
Balin AK, 1096
Balin SJ, 1096
Balmain A, 699
Baranowsky A, 1423
Bar-Eli M, 400
Barker JWN, 1401
Barland CO, 330
Barrett JH, 429
Barrié L, 608
Barzilai DA, 246
Bataille V, 429
Bauer JW, 1050
Bavinck JNB, 1456
Beck H, 1154
Becker B, 361
Becker JC, 392, 1336
Beckmann I, 147
Behne M, 909
Behne MJ, 320
Behrmann I, 414
Bellon G, 256
Benson SC, 130
Bensussan A, 111, 820
Berger A, 1050
Bergman R, 647
Bernard D, 1235
Bernard P, 256, 1413
Berneburg M, 1277
Bernstein P, 546
Bertram CG, 429
Bertsch HP, 1495
Berwick M, 1245
Besch R, 1114
Bettermann A, 235, 840
Bhagavathula N, 130
Bhushan M, 209
Bianchi L, 1037
Bignon YJ, 369
Bikle DD, 984
Binni F, 450
Birch-Machin MA, 1518
Birembaut P, 256
Bishop DT, 429
Bishop JAN, 429
Bisset Y, 423
Bloemers HPJ, 1293
Blokx W, 1321
Blume-Peytavi U, 14
Bodo E, 840
Boehncke W-H, 830
Böhm M, 468
Bonafé J-L, 608
Bong AB, 1266
Bonkobara M, 1225
Borel A, 621
Borgiani P, 1106
Borradori L, 65, 103, 1413
Bosserhoff A, 414
Bouez C, 621
Boumsell L, 111, 820
Bowcock A, 717
Brandner JM, 1310
Brantley DM, 691
Brash AR, 691
Brattsand M, 1235
Brenchley PEC, 209
Breza TS, 1488
Bristow J, 885
Broccoletti R, 87
Broome A-M, 29
Brown BE, 320, 971
Brown BS, 330
Brown VL, 1284
Bruckner-Tuderman L, 65, 84, 1372
Brugger K, 406
Bruijnzeel PLB, 1448
Bruinenberg M, 61
Brzoska T, 468
Bulli C, 1106
Burgeson RE, 278
Byers HR, 900

C

Caird A, 640
Cairns WJ, 971
Calcabrini A, 349
Calvas P, 608
Campione E, 1037
Candi E, 837
Cao L, 717
de Capei MU, 87
Carneiro R, 927
Carrozzo M, 87
Carter F, 739
Catricalà C, 450
Caubet C, 747, 1235
Cauza K, 406
Çelebi JT, 1325
Cenizo V, 621
Cerroni L, 1342
Cescon D, 1054
Chae E-K, 1365
Chalon P, 111
Chambon P, 971
Chamulitrat W, 1000
Chang C-H, 1348
Chang K-L, 125
Chang LW, 125
Chang S, 971, 984
Chang-Rodriguez S, 670
Charon C, 640
Chassaing N, 608
Chen G-S, 125
Chen J-J, 658
Cheng L, 549
Chignell CF, 533
Chimenti S, 1037, 1106, 1327
Chittiboyina A, 130
Choei H, 461
Choi B, 1432
Choi EH, 984
Choy MHW, 314
Christensen DH, 443
Christiano AM, 909
Chuang G, 971
Chuong C-M, 1348
Civin CI, 549
Clark RAF, 266
Colbert RL, 1091
Colone M, 349
Conrad F, 840
Conway K, 1245
Cooper GS, 246
Cooper KD, 246
Costanzo A, 1037, 1106
Couchman JR, 266
Coulombe PA, 965
Cowin AJ, 791
Cribier B, 1078
Cristofalo VJ, 1096
Cronin JG, 1284
Crook T, 1284
Cross SE, 993
Crumrine D, 314, 984
Crumrine DC, 909
Cruz PD, 1225
Cui Y, 658, 1121
Culouscou J-M, 111
Curtoni ES, 87
Custis N, 927

D

Daehn IS, 791
Dai X, 1356
ten Dam GB, 707
Dame MK, 1471
Dametto E, 87
Damour O, 621
Dardenne O, 984
Debret R, 256
Declercq L, 484
Decraene D, 484
Degitz K, 1114
Dellavalle RP, 855

Copyright © 2004 by The Society for Investigative Dermatology, Inc.

Denda M, 140
Denfeld RW, 945
Denton CP, 1
De Pità O, 103
De Simone P, 450
Detmar M, 201
Didona B, 78
D'Incan C, 369
D'Incan M, 369, 820
Ding W, 510
Dingelmaier-Hovorka R, 406
van Dissel JT, 923
Di Zenzo G, 103
Domenchini A, 1054
Dorsam S, 971
Douillard P, 670
Drake AL, 855
Drewniok C, 1266
Dudda JC, 945
Dugas M, 361
Dummer R, 1510
Dunlap S, 549
Dutz JP, 1042

E

Eady RAJ, 78, 1302
Eastwood D, 1091
Eberle J, 1266
Echchakir H, 820
Echtermeyer FG, 1372
Ecker R, 673
Eckert RL, 29
Edler L, 652
Edmiston SN, 1245
Egeblad M, 1293
Egelrud T, 1235
Ehlert C, 61
Eibenschutz L, 450
Eichberger T, 1180, 1503
Eichmüller S, 1510
Elalieh H, 984
Elbe-Bürger A, 670, 673
Elder JT, 1401
Elias PM, 314, 320, 330, 909, 971, 984
Elliott RJ, 1010
Ellis CN, 130
Ellis T, 232
Elmets CA, 1480
Emberger M, 1050
Ermakov IV, 546
Estève J-P, 747
Eton O, 400

F

Facy V, 552
Fairley JA, 1091
Fargnoli MC, 1327
Farinelli WA, 518
Fasano ME, 87
Fässler R, 1372
Faulhaber D, 510
Feingold K, 984
Feingold KR, 314, 320, 909, 971
Fellenberg F, 1510
Feltkamp MCW, 1456
Feng Y-G, 892
Ferrara P, 111
Filip JC, 39
Filler R, 699
Firth JD, 222
Fischer TC, 579
Fisher GJ, 1471
van der Fits L, 51
Flanagan N, 423
Fligiel SEG, 1471
Flood-Page P, 1406
Flouret V, 552
Fluhr JW, 320, 909
Foedinger D, 406
Foerster J, 61
Fölster-Holst R, 1423
Fontao L, 65
Fornace AJ, 497
Fowler AJ, 971
Francis MK, 1096
Franzke C-W, 1372
Friberg C, 1399
Friedmann PS, 291
Frischauf A-M, 1180, 1503
Fry L, 640
Fuda H, 1207
Fujii H, 1000
Fujii-Maeda S, 20
Fujimoto M, 783
Fujita H, 95, 1331
Fujiwara H, 1331
Fujiwara M, 937
Fukai K, 843
Fukushige T, 1207
Furcht LT, 167
Furue M, 20
Fuziwara S, 140

G

Gallinaro H, 730
Gallucci RM, 764
Gan D, 484
Gandolfo S, 87
Gangnuss S, 791
Gao P, 1331
Gao T-W, 1121
Garbe C, 1293
Gardner H, 216
Garmyn M, 484
Gaut RM, 429
van Geel M, 1321
Gefeller O, 853, 1277
Geilen CC, 1266
Gellermann W, 546
Gellrich S, 574, 579, 859
Gerdin B, 216
Gers-Barlag, H, 1277
Ghadially R, 330
Ghahary A, 953, 1188
Ghali L, 433
Ghazizadeh M, 937
Giardina E, 1106
Gibbons NCJ, 307
Gilchrest BA, 159
Gill M, 1325
Giovannangeli C, 1114
Girardi M, 699
Gleyzal C, 621
Glusac EJ, 699
Gniadecka M, 443
Gniadecki R, 443
Goebel C, 1154
Goel V, 337
Goh CL, 824
Gollnick H, 1266
González S, 159
Goon A, 824
Gordon RE, 900
Grammatico P, 450
Granados S, 1345
Granstein RD, 510
Granter SR, 900
Greiling D, 266
Grether-Beck S, 477
Griem P, 1154
Griffiths CEM, 209
Groben P, 1245
Grosshans E, 1078
Grosso F, 103
de Gruijl FR, 1456
Guerrin M, 730, 1235
Gunawan B, 1495
Gustafsson E, 1372
Györffy B, 644

H

Ha T, 423
Hachem J-P, 314, 909
Hafner C, 361
Halford S, 640
Hallégot P, 381
Hallermann C, 1495
Haluska FG, 337
Hamamoto Y, 1133
Hammer J, 927
Hammond BR, 544
Handjiski B, 7
Hansen LK, 443
Hanson KM, 510
Happle R, 1321
Haqq CM, 971
Hara Y, 1480
Harbottle A, 1518
Harkin D, 1198
Harrison GI, 183
Hartmann G, 387
Hartmann TB, 1510
Harwood CA, 78, 1284
Has C, 84, 1372
Hasegawa M, 594
Hashimoto K, 1356
Hasse S, 307
Hata K-i, 631
Hatao M, 503
Hattori H, 1256
Hattori S, 278
Hatzirodos N, 791
Haus E, 824
Hawk JLM, 295
Haycock JW, 1010
Hayday AC, 699
He P-P, 286, 658, 1121
He Y-Y, 533
Heck JM, 764
Heilig LF, 855
Heimberger A, 400
Heinrich PC, 414
Hemminki K, 342
Hercogova J, 443
Herlyn M, 1293
Hertl M, 1413
Herzog C, 1372
Hesling C, 369
Hester EJ, 855
Hetherington R, 232
Higashi Y, 1207
Hildesheim J, 497
Hinterhuber G, 406
Hirata H, 1463
Ho CI, 130
Hoetzenecker W, 673
Hoffstad OJ, 39
Hofmann SC, 1413
Hohl D, 65
Holder JC, 971
Hollier B, 1198
Holzmann S, 670, 1165
Hong Y-K, 201
Horio T, 300
Hornebeck W, 256
Horvat R, 406
Hosomi N, 843
Houdek P, 1310
Hovnanian A, 608
Huak CY, 824
Huang J-L, 533
Huang W, 286, 658, 1121
Huber M, 65
Hügin A, 1338
Hunziker T, 1413
Hüsing B, 1310
Hwang ST, 1345
Hyde C, 1198

I

Ichikawa Y, 1256
Ihn H, 1390
Iida J, 167
Iizuka H, 1137
Ikizawa K, 20
Ikram MS, 1180, 1503
Iles MM, 1401
Imamura T, 1084
Imokawa G, 722, 1256
Imoto K, 526
Inaba K, 1522
Indelman M, 647
Inerot A, 1399
Ingber A, 647
Inoue K, 140
Inoue S, 565
Ishida-Yamamoto A, 1137
Ishii M, 843
Ishikawa K, 1133
Ishiko A, 1145
Ishiwata M, 201

Itano N, 631
Ito N, 235
Ito S, 423
Ito T, 235
Ivarsson M, 216
Iwakiri K, 937
Iwamoto T-a, 526
Iwashina T, 953

J

Jacob M-P, 621
Jan AY, 1108
Janke K, 1165
Jansen B, 387
Jansen BJH, 1321
Järvholm B, 873
Jasch KC, 859
Jave-Suarez LF, 555, 652
Jensen J-M, 1423
Jiang L, 896
Jiang T-X, 1348
Jin E, 937
Jin L, 1175
Jinnin M, 1390
Jonca N, 730, 747, 1235

K

Kähkönen M, 574
Kaiser C, 1310
Kajiwara K, 20
Kajiya K, 201
Kalscheuer V, 61
Kambe N, 851
Kammerbauer C, 1114
Kanazawa N, 851, 1522
Kanda N, 863
Kang S, 1471
Kanzaki T, 1207
Kapasi S, 159
Karami A, 953, 1188
Karenko L, 574
Karhu R, 574
Karimi-Busheri F, 1188
Kasraee B, 1338
Katiyar SK, 1480
Kato A, 843
Katsumi S, 526
Kauffmann M-E, 414
Kaufmann R, 830
Kaune KM, 1495
Kawahara T, 1000
Kawana S, 937
Kawanami O, 937
Kawano M, 1084
Kawashima M, 1256
Kay AB, 1406
Keilholz U, 685
Keller BO, 1188
Kelly DA, 295
Kelsell DP, 1284
Kemp EH, 1010
van Kempen LCLT, 1293
Kendall M, 739
van de Kerkhof PCM, 1321
Kerl H, 190, 1342
Kersten-Niessen MJF, 1293
Kiekens RC, 1448
Kijas Z, 61
Kilani RT, 953, 1188
Kim CD, 1365
Kimata K, 631
Kishibe M, 1137
Kishimoto J, 278
Klausegger A, 1050
Klimuk SK, 1042
Klintschar M, 1059
Klotz L-O, 477
Kobayashi N, 526
Kobayashi T, 278
Koch F, 670, 1165
Kocsis I, 644
Kodali S, 510
Koerten H, 1251
Kofler B, 1050
Koga T, 20
Koh W, 518
Kojima Y, 1175
Kolb R, 1251
Kollias N, 492, 1020
Komadina J, 1432
Komine M, 783
Komyod W, 414
Kortylewski M, 414
Koster J, 65
Kozak KZ, 855
Kreimer-Erlacher H, 190
Krepler C, 387
Krishnan KJ, 1518
Kröger S, 1372
Krombach F, 830
Krutmann J, 477, 1277
Kumar R, 342
Kundu-Raychaudhuri S, 812
Kunimoto H, 843
van Kuppevelt TH, 707, 885
Kuroda K, 878
Kurtz TW, 130
Kvernebo K, 587
Kye K-C, 1365
Kytölä S, 574

L

Labrousse A-L, 256
Lademann J, 14
Lal A, 130
Laman JD, 51
Landthaler M, 361
Lane EB, 652
Lang R, 1050
Langbein L, 147, 555, 652, 730, 1078
LaPoint R, 1214
Lassmann H, 177
Lau P, 971
Leask A, 1
Lechene C, 381
Lee EH, 510
Lee J, 159
Lee J-H, 1365
Lee Y, 1207
Leigh IM, 78, 433
Leonard C, 1471
Leopardi S, 1214
Leta A, 837
Letsch A, 685
Levy RM, 39
Leypoldt L, 314
Li C-R, 1121
Li C-Y, 1121
Li L, 892, 1188
Li M, 1121
Li Y, 953, 1188
Liang Y-H, 286, 658
Liao W-T, 125
Liegl B, 1059
Lin F, 266
Lin X, 953
Lindberg M, 1381
Liovic M, 652
Litjens NHR, 923
Little MC, 665
Liu J, 533
Liu J-B, 1121
Liu Q, 896
Liu W, 896
Liu Y-F, 1121
van Loveren H, 1456
Lo WHY, 896
Lopez F, 747
Ludwig RJ, 830
Luger TA, 468
Lukowsky A, 574, 859
Luo Y, 896
Lutz MB, 1522
Lysheden A-S, 216

M

Machin GA, 1057
MacNeil S, 1010
Madelmont J-C, 369
Maeda K, 503
Maes D, 484
Maesawa C, 805
Maestroni GJM, 119
Magazin M, 111
Magnusson BM, 993
Mahony D, 232
Majore S, 450
Malhi N, 1214
Mallipeddi R, 1302
Mammone T, 484
Man M-Q, 984
Man W, 314
Manson C, 1334
Mao-Qiang M, 320, 971
Marcoux Y, 1188
Margolis DJ, 39
Mariotti F, 103
Marles LK, 307
Marneros AG, 1126
Marra M, 349
Marschall C, 1114
Martin L, 608
Martin SF, 945
Mason D, 859
Mastrogiacomo A, 103
Masuda T, 805
Matsui M, 484
Matsumoto M, 755
Matsuo N, 722
Matsushima H, 614
Matsushima S, 851
Matsuura H, 614
Mattingly D, 1245
Mauro TM, 320
Mayer C, 177
Mazereeuw J, 608
McCarthy JB, 167
McCarthy MI, 640
McGary EC, 400
McGrath JA, 78, 1302
McLean WHI, 73, 78
McMahon SB, 183
McMillan JR, 1225
Mecham RP, 885
Meding B, 873, 1381
Medve-König K, 1277
te Meerman G, 61
Meier F, 1293
Meingassner JG, 673
Melino G, 837
Melton DW, 1334
Menon GK, 314
Menzies-Gow A, 1406
Meschini S, 349
Metze D, 468
van der Meulen H, 1251
Meyer C, 1096
Middelkamp-Hup MA, 159
Mieno H, 878
Millikan RC, 1245
Mills L, 400
Mimura Y, 1390
Ming ME, 39
Mitchell T, 739
Mitsui H, 95
Mittal A, 1480
Miyachi Y, 851, 1522
Miyagawa S, 526
Miyakawa T, 201
Miyauchi Y, 1137
Mizuno K, 300
Molho-Pessach V, 647
Molinari A, 349
Moll I, 1310
Momota Y, 614
Monboisse J-C, 369
Mondello F, 349
Moretta A, 820
Morgan BA, 239
Mori K, 95
Mori T, 526
Morita A, 477
Moritz K, 1050
Mørk C, 587
Morley SM, 73
Moser AH, 971
Moser B, 61
Moskowitz DG, 320, 909

Moss C, 78
Muche JM, 574, 579, 859
van Muijen GNP, 707, 1293
Mulder M, 61
Mummert DI, 846
Mummert ME, 846
Murata K, 614
Murray AR, 764
Musette P, 820
Muto M, 1133

N

Nagai M, 594
Nagai S, 851
Nagano M, 755
Nair RP, 1401
Najar HM, 1042
Nakagawa H, 722
Nakagawa N, 755
Nakajima K, 843
Nakamura H, 461
Nakamura K, 95
Nakamura Y, 526
Nakano N, 1175
Nakao A, 1175
Nakayama M, 1175
Nambu T, 565
Nanney LB, 691
Narang M, 232
Naysmith L, 423, 1334
Neill GW, 1180, 1503
Neitzel H, 579
Nelson JS, 1432
Nerusu KC, 130
Neuhauser D, 246
Neumann C, 1423, 1495
Newman B, 1054
Nguyen T, 452
Nibbering PH, 923
Nicklin MJH, 665
Nielsen OF, 443
van Nieuwpoort F, 1251
Nilsson C, 1399
Nishikawa T, 1145
Nishioka K, 44
Nishiwaki Y, 526
Nisticò S, 1106
Nizard S, 608
Njisten T, 857
Noblesse E, 621
Nolte I, 61
Nomizu M, 614
Nomura T, 722
Norris JEC, 1126
Novelli G, 1106
Nowinski D, 216
Ntayi C, 256
Numan-Ruberg SC, 923
Nyfjäll M, 1381

O

Oberyszyn TM, 1488
O'Brien TJ, 1137
O'Callaghan M, 900
O'Dell SJ, 764
Ogasawara Y, 1133
Ogawa H, 1175
Ohnemus U, 7, 840
Oiso N, 843
Okamoto H, 300
Oki J, 1084
Okochi H, 783
Okumura K, 1175
Ollila DW, 1245
Olsen BR, 1126
Ong YE, 1406
Onn A, 400
Ono M, 1463
Oppenheim D, 699
Orchard GE, 1302
Orlandi A, 1037
Ortonne N, 820
Ota T, 1145
Otberg N, 14
Ou-Yang H, 492, 1020
Overes IM, 707
Owaribe K, 103
Oyama N, 78

P

Pacifico A, 1327
Paiha K, 177
Paine CT, 1057
Paine ML, 1057
Pallone F, 1106
Palmer RA, 291
Paradisi M, 837
Park H-Y, 159
Park J-K, 1365
Park S, 1365
Parkinson J, 640
Parrish E, 1245
Parry DAD, 652
van de Pas CB, 295
Pasco S, 369
Patrizi A, 78
Paus R, 7, 235, 840
Pavel S, 1251
Pedicelli C, 837
Pehamberger H, 387
Pei D, 167
Peiser M, 773
Peltre B, 1078
Peris K, 1327
Pershadsingh HA, 130
Peteranderl R, 381
Peters G, 652
Peters S, 510
Peterson S, 159
Peyrol S, 621
Pfahlberg A, 853, 1277
Phelps RG, 900
Philipsen PA, 443
Philpott M, 1503
Philpott MP, 433, 1180
Phipps S, 1406
Piao Y-J, 1365
Plano LRW, 1070
van der Plas MJA, 923
Platts-Mills T, 927
Plettenberg H, 1277
Podda M, 830
Polterauer P, 387
Poszepczynska-Guigné E, 111, 820
Pourzand C, 1440
Powles AV, 640
Praetzel S, 147, 555
Prens EP, 51
Price MA, 167
Printup S, 1214
Proby CM, 1284
Proksch E, 1423
Pruvost C, 111
Puddu P, 837
Putnins EE, 222

Q

Quehenberger F, 1342
Quinn A, 433, 1503

R

Ranalli M, 837
Randerson-Moor J, 429
Ranki A, 574
Rassner U, 314
Ratajczak P, 1108
Ravensbergen B, 923
Ray A, 423
Raychaudhuri SP, 812
Rayner TE, 791
Reefer A, 927
Reelfs O, 1440
Rees JL, 423, 1334
Reeve VE, 1030
Regauer S, 1059
Regl G, 1180, 1503
Régnier M, 552
Reichenberger E, 1126
Reinisch, CM, 177
Reker S, 392
Ren X-R, 892
Rendine S, 87
Renwick N, 1325
Richard G, 1108
Richter H, 14
Rijken F, 1448
Riley E, 232
Rimm AA, 246
Rishworth S, 739
Roberts MS, 993
Robinson DA, 1401
Robson AM, 1302
Roesch A, 361
Rogers MA, 147, 555, 652
Rogers S, 640
Rokos H, 307
Rokutan K, 1000
Romani N, 670, 1165
Rossen K, 443
Rothnagel JA, 232, 791
Rougier A, 468
Rubin K, 216

S

Saarialho-Kere U, 717
Sackett-Lundeen L, 824
Sackstein R, 1061
Saeki H, 95
Saeland S, 670, 1165
Sagi E, 647
Sagoo GS, 1401
Sakai S, 755
Salerud EG, 587
Saliou C, 1020
Salvatore G, 349
Sampogna F, 602
Samuelsson L, 1399, 1401
Santic R, 1050
dos Santos Silva I, 429
Sanyal M, 812
Sarasin A, 526
Sasaki N, 461
Sasazuki T, 1133
Sato S, 594
Saurat J-H, 1338
Sayama K, 1356
Schadendorf D, 685, 1510
Schaefer H, 14
Schalkwijk J, 707, 885
Schallreuter KU, 307
Scheffler H, 1154
Scheibenbogen C, 685
Schiavon V, 820
Schiller M, 468
Schissel D, 652
Schlötzer-Schrehardt U, 1372
Schmidt HHHW, 1000
Schmidt R, 552, 1000, 1235
Schmuth M, 909, 971, 1165
Schneider C, 691
Scholzen TE, 468
Schön M, 1266
Schön MP, 1266
Schoonjans K, 971
Schuger L, 1471
Schuh T, 1114
Schuler G, 1413
Schultz JE, 830
Schunck M, 1423
Schütze S, 1423
Schwaiger P, 1059
Schweiger S, 61
Schweizer J, 147, 555, 652, 1078
Schwietzke S, 1413
Scott G, 1214
Seed PT, 295
Seeman P, 61
Seiberg M, 1214
Seidl H, 190
Selden C, 320
Semple SC, 1042

Sera F, 103, 602
Serre G, 730, 747, 1137, 1235
Shepherd J, 665
Sherev T, 579
Shi Y-Z, 892
Shimizu A, 1145
Shimizu H, 239, 461, 1225
Shimizu T, 461
Shimomura T, 565
Shinazawa M, 20
Shinkai H, 278, 614, 878
Shirai T, 526
Shirakata Y, 1356
Shtivelband M, 400
Siebert R, 1495
Sigurdsson S, 443
Sik RH, 533
Silvers DN, 1325
Siminovitch KA, 1054
Simon JC, 945
Simon M, 730, 747, 1137, 1235
Sinibaldi C, 1106
Sloan DK, 764
Smaers K, 484
Smedley D, 640
Smetsers TFCM, 707
Smit NPM, 1251
Smith FJD, 73, 78
Smith TA, 652
Smyth I, 232
Snellman E, 342
Sommer P, 621
Song Y, 896
Sonnenberg A, 65
Sorg O, 1338
Sorgi ML, 1106
Souteyrand P, 369
South AP, 78, 1302
Soyer HP, 190, 1327
Spaar K, 61
Spagnoli LG, 1037
Sperl W, 1050
Sprecher E, 647
Stamatas G, 492, 1020
Ständer M, 61
van der Steege G, 61
van Steensel MAM, 1321
Steijlen PM, 885, 1321
Stern RS, 857
Sterry W, 14, 61, 574, 579, 859
Stiller C, 1399
Stingl G, 673
Stoitzner P, 670, 1165
Stolz W, 361, 1327
Stössel H, 670
thor Straten P, 392, 1336
Strayhorn WD, 691
Stremmel W, 1000
Stringaro A, 349
Strommer S, 387
Strott CA, 1207
Struijk L, 1456
Stuetz A, 673
Sugawara H, 461
Sugiura S, 526
Suhr K-B, 1365
Sumida Y, 755
Summers AM, 209
Sun M, 896
Suomela S, 717
Surrenti T, 1327
Suthamjariya K, 518
Suzuki M, 1084
Suzuki N, 614
Suzuki S, 1084
Suzuki Y, 1133
Svaasand LO, 1432
Swart GWM, 1293
Swerdlow AJ, 429
Sybert VP, 1108
Szabo M, 1010

T

Taccari E, 1106
Tachibana T, 851
Tada Y, 95
Tajima S, 878
Takagi Y, 722
Takahashi H, 1137
Takahata K, 848
Takajo T, 1463
Takashima A, 846
Takehara K, 594
Takemura T, 937
Takeshita K, 1463
Takeuchi M, 461
Takezaki S-i, 937
Takizawa M, 722
Tamaki K, 95, 783, 1331, 1390
Tan S-S, 892
Tandi C, 830
Tasanen K, 65
Tashiro K, 1522
Tazi-Ahnini R, 1401
Tensen CP, 1495
Termorshuizen F, 1456
Terracina M, 103
Terrinoni A, 837
Tezuka T, 1225
Thiel E, 685
Thio HB, 923
Thomas GW, 400
Thomas NE, 1245
Thoma-Uszynski S, 1413
Thomsen HK, 443
Thurberg BL, 900
Tidman N, 433
Tigelaar RE, 699
Tober KL, 1488
Toccacieli L, 349
Tohyama M, 1356
Tokumara S, 1356
Tong X, 965
Tönnies H, 579
Tran C, 1338
Traupe H, 1401
Tredget EE, 953, 1188
Trembath RC, 1401
Treudler R, 1413
Tripp CH, 670, 1165
Tsao H, 337
Tschachler E, 177
Tsuboi R, 1175
Tsuchida S, 1225
Tsuji T, 477
Tsunoda K, 1145
Tsuruki T, 848
Tuechler C, 1050
Turner F, 429
Tyrrell RM, 1440

U

Uchida Y, 909, 971
Uchiwa H, 755
Ueda M, 631
Ünalan M, 7
Upton Z, 1198
Usener D, 1510
Utani A, 614
Uter W, 853, 1413
Utsumi H, 1463

V

Varani J, 130, 1471
Varelias A, 791
Vásárhelyi B, 644
Vayalil PK, 1480
Vermeer MH, 1495
Verschuren MCM, 51
Vezza D, 87
Viator JA, 1432
Vincent C, 730
van Vlijmen-Willems IM, 885
Vogt T, 361
Voorhees JJ, 1471
van de Vosse E, 923

W

Waalkes MP, 533
Wacheck V, 387
Wachi H, 278
Wackernagel A, 1342
Wada K, 805
Wagner MJ, 1010
Wahlström J, 1399
Wainwright BJ, 232
Wakamatsu K, 423
Walden P, 579
Walker SL, 295
Wallenhammar L-M, 1381
Wang H-Y, 658
Wang J-M, 892
Wanner R, 773
Watanabe H, 461
Watanabe S, 863, 1126
Watanabe T, 95
Waterston K, 423, 1334
van Weelden H, 1448
Wei ML, 452
Wei S-C, 1121
Weidle UH, 1293
Weinfeld M, 1188
van der Wel LI, 51
Weltman H, 812
Weninger W, 177
Wernicke M, 859
Wessagowit V, 1302
Wessel S, 443
van de Westerlo EMA, 707
Whitaker L, 429
Wicking C, 232
Widelitz RB, 1348
Wienrich BG, 1266
Wilde J, 652
Wilgus TA, 1488
Wilhelmson KL, 167
Wilks A, 859
Willemze R, 1495
Williams ML, 314
Willson TM, 971
Wilson B, 927
Wilson CM, 167
Wingler K, 1000
Winoto-Morbach S, 1423
Winter H, 147, 555
Wittig B, 773
Wolf P, 190, 1327, 1342
Wolff K, 387, 406
Wong S-T, 433
Woodfolk J, 927
Wooten BR, 544
Wu H, 337
Wu P, 1348
Wulf HC, 443
Wyss C, 1154

X

Xiao S-X, 892
Xie Z, 984
Xu S-J, 286, 658, 1121

Y

Yagita H, 1175
Yahata Y, 1356
Yamada K, 755
Yamada Y, 631
Yamagishi S-i, 461
Yamaguchi N, 1175
Yamamoto A, 526
Yamamoto T, 44
Yamane K, 1390
Yamasaki K, 1356
Yamauchi R, 477
Yanagihara Y, 20
Yanai H, 1207
Yang G, 337
Yang L, 1356
Yang S, 286, 658, 1121
Yano K, 201
Yano S, 783

Yasuda Y, 477
Yasuoka S, 937
Ye J, 330
Yoshida S, 1137
Yoshikawa M, 848
Yoshikawa Y, 1133
Yoshioka H, 878
Yosipovitch G, 824
Young AR, 183, 295
Young HS, 209
Yu B, 20
Yu C-L, 125
Yu H-S, 125, 1348
Yu M, 1348
Yu X, 549
Yuan W-T, 286, 658, 1121
Yudate T, 1225
Yuki T, 755
Yull FE, 691

Z

Zambruno G, 78, 103
Zettersten E, 330
Zhang X, 896
Zhang X-J, 286, 658, 1121
Zhao X, 896
Zheng J, 1188
Zollner TM, 830
Zouboulis CC, 1413
Zweers MC, 885

A

A 4.2 kb Upstream Region of the Human Corneodesmosin Gene Directs Site-Specific Expression in Hair Follicles and Hyperkeratotic Epidermis of Transgenic Mice, Gallinaro H, Jonca N, Langbein L, Vincent C, Simon M, Serre G, Guerrin M, 730
A Chemiluminescence Study of UVA-Induced Oxidative Stress in Human Skin *In Vivo*, Ou-Yang H, Stamatas G, Saliou C, Kollias N, 1020
A Comparative Study of Photoacoustic and Reflectance Methods for Determination of Epidermal Melanin Content, Viator JA, Komadina J, Svaasand LO, Aguilar G, Choi B, Nelson JS, 1432
A Constitutive NADPH Oxidase-Like System Containing gp91*phox* Homologs in Human Keratinocytes, Chamulitrat W, Stremmel W, Kawahara T, Rokutan K, Fujii H, Wingler K, Schmidt HHHW, Schmidt R, 1000
A Gene for Freckles Maps to Chromosome 4q32–q34, Zhang X-J, He P-P, Liang Y-H, Yang S, Yuan W-T, Xu S-J, Huang W, 286
A Model System Using Tape Stripping for Characterization of Langerhans Cell-Precursors *In Vivo*, Holzmann S, Tripp CH, Schmuth M, Janke K, Koch F, Saeland S, Stoitzner P, Romani N, 1165
A Novel Mouse Type I Intermediate Filament Gene, Keratin 17n (K17n), Exhibits Preferred Expression in Nail Tissue, Tong X, Coulombe PA, 965
A Novel Mutation in the Second Half of the Keratin 17 1A Domain in a Large Pedigree with Delayed-Onset Pachyonychia Congenita Type 2, Xiao S-X, Feng Y-G, Ren X-R, Tan S-S, Li L, Wang J-M, Shi Y-Z, 892
A Novel Nonsense Mutation in Kindler Syndrome, Has C, Bruckner-Tuderman L, 84
A Novel Recessive Connexin 31 (GJB3) Mutation in a Case of Erythrokeratodermia Variabilis, Terrinoni A, Leta A, Pedicelli C, Candi E, Ranalli M, Puddu P, Paradisi M, Angelo C, Baggetta G, Melino G, 837
A Soy-Derived Immunostimulating Peptide Inhibits Etoposide-Induced Alopecia in Neonatal Rats, Tsuruki T, Takahata K, Yoshikawa M, 848
A Synthetic Superoxide Dismutase/Catalase Mimetic (EUK-134) Inhibits Membrane-Damage-Induced Activation of Mitogen-Activated Protein Kinase Pathways and Reduces p53 Accumulation in Ultraviolet B-Exposed Primary Human Keratinocytes, Decraene D, Smaers K, Gan D, Mammone T, Matsui M, Maes D, Declercq L, Garmyn M, 484
ABCCG, 608
Aberrant Expression of the Maspin Gene Associated with Epigenetic Modification in Melanoma Cells, Wada K, Maesawa C, Akasaka T, Masuda T, 805
acantholysis, 1145
acoustic transducer, 1432
actin filament, 1471
Activated, Not Resting, Platelets Increase Leukocyte Rolling in Murine Skin Utilizing a Distinct Set of Adhesion Molecules, Ludwig RJ, Schultz JE, Boehncke W-H, Podda M, Tandi C, Krombach F, Baatz H, Kaufmann R, von Andrian UH, Zollner TM, 830
activator protein-1, 863
acute UVB irradiation, 201
acylation, 722
acyltransferase, 773
adhesion, 1372
adhesion molecules, 830, 1413
adjuvant, 1042
adrenergic receptors, 119
adult stem cell, 1061
aging, 330
ALCAM, 1293
allergens, 119
allergy, 945
alopecia, 647
alternative splicing, 1225
An Assessment of a Variant of the DNA Repair Gene XRCC3 as a Possible Nevus or Melanoma Susceptibility Genotype, Bertram CG, Gaut RM, Barrett JH, Randerson-Moor J, Whitaker L, Turner F, Bataille V, dos Santos Silva I, Swerdlow AJ, Bishop DT, Bishop JAN, 429
An Unusual Ala12Thr Polymorphism in the 1A α-Helical Segment of the Companion Layer-Specific Keratin K6hf: Evidence for a Risk Factor in the Etiology of the Common Hair Disorder Pseudofolliculitis Barbae, Winter H, Schissel D, Parry DAD, Smith TA, Liovic M, Lane EB, Edler L, Langbein L, Jave-Suarez LF, Rogers MA, Wilde J, Peters G, Schweizer J, 652
Analysis of Gene Expression in Fibroblasts in Response to Keratinocyte-Derived Factors *In Vitro:* Potential Implications for the Wound Healing Process, Nowinski D, Lysheden A-S, Gardner H, Rubin K, Gerdin B, Ivarsson M, 216
Androgen Regulation of the Human Hair Follicle: The Type I Hair Keratin hHa7 Is a Direct Target Gene in Trichocytes, Jave-Suarez LF, Langbein L, Winter H, Praetzel S, Rogers MA, Schweizer J, 555
androgens, 555
angiogenesis, 201, 209, 369
angiogenesis inhibitor, 1096
angiokeratomas, 900
antigens, 392
anti-IL-5, 1406
antioxidant, 510, 1020
antisense, 387
apoptosis, 44, 222, 477, 533, 673, 953, 1266
aquaporins, 1154
arachidonic acid, 691
Arsenic Induces Human Keratinocyte Apoptosis by the FAS/FAS Ligand Pathway, Which Correlates with Alterations in Nuclear Factor-κB and Activator Protein-1 Activity, Liao W-T, Chang K-L, Yu C-L, Chen G-S, Chang LW, Yu H-S, 125
arteriovenous shunting, 587
association analysis, 1399
Association Analysis of Cystatin A and Zinc Finger Protein 148, Two Genes Located at the Psoriasis Susceptibility Locus

Copyright © 2004 by The Society for Investigative Dermatology, Inc.

PSORS5, Samuelsson L, Stiller C, Friberg C, Nilsson C, Inerot A, Wahlström J, 1399
Association of Cyclic Adenosine Monophosphate with Permeability Barrier Homeostasis of Murine Skin, Denda M, Fuziwara S, Inoue K, 140
atopic dermatitis, 39, 1423
atopy history, 873
Author response, Gellermann W, Ermakov IV, Bernstein P, 546
autocrine, 400
autoimmune disease, 1145
autoimmunity, 103, 594, 1091, 1413
autosomal dominant inheritance, 1126

B

B cell, 1495
barrier function, 314, 320, 722, 909, 971
basal cell carcinoma, 443
Basis For Abnormal Desquamation And Permeability Barrier Dysfunction in RXLI, Elias, PM, Crumrine D, Rassner U, Hachem J-P, Menon GK, Man W, Choy MHW, Leypoldt L, Feingold KR, Williams ML, 314
bax, 1037
Bcl-2, 1266
biolistics, 739
biomarker, 1277
Biosynthesis of Acylceramide in Murine Epidermis: Characterization by Inhibition of Glucosylation and Deglucosylation, and by Substrate Specificity, Takagi Y, Nakagawa H, Matsuo N, Nomura T, Takizawa M, Imokawa G, 722
bleomycin, 44
blister, 78
blistering, 647
blood cells, 923
BM, 1372
bone morphogenic protein 2 and 4, 878
BP180, 65, 103, 1413
BP230- and BP180-Specific Auto-Antibodies in Bullous Pemphigoid, Thoma-Uszynski S, Uter W, Schwietzke S, Hofmann SC, Hunziker T, Bernard P, Treudler R, Zouboulis CC, Schuler G, Borradori L, Hertl M, 1413
BP230 auto-antibodies, 1413
BRAF, 337, 1245
BRAF Mutations Are Common Somatic Events in Melanocytic Nevi, Kumar R, Angelini S, Snellman E, Hemminki K, 342
BRCA1, 369
Bulge- and Basal Layer-Specific Expression of Fibroblast Growth Factor-13 (FHF-2) in Mouse Skin, Kawano M, Suzuki S, Suzuki M, Oki J, Imamura T, 1084
bullous pemphigoid, 1091, 1413
bystander cells, 953

C

cadherin, 1145, 1235
calcitriol, 984
calcium, 29, 1010, 1365
calcium gradient, 984
cAMP, 140
cancer, 246, 1302
carcinogenesis, 190, 533
caspase-3, 44, 477
cavitation, 518
CD158k, 820
CD158k/KIR3DL2 Is a New Phenotypic Marker of Sezary Cells: Relevance for the Diagnosis and Follow-Up of Sezary Syndrome, Poszepczynska-Guigné E, Schiavon V, D'Incan M, Echchakir H, Musette P, Ortonne N, Bournsell L, Moretta A, Bensussan A, Bagot M, 820
CD166, 1293
CD2BP1 and CARD15 Mutations Are Not Associated with Pyoderma Gangrenosum in Patients with Inflammatory Bowel Disease, Newman B, Cescon D, Domenchini A, Siminovitch KA, 1054
CD4, 699
CD4+ T lymphocytes, 927
CD-44, 266
CD8, 699
CD86 antigen, 1154
Cdc2, 1356
CDKN2A, 1284
CDKN2A and *MC1R* Mutations in Patients with Sporadic Multiple Primary Melanoma, Peris K, Fargnoli MC, Pacifico A, Surrenti T, Stolz W, Wolf P, Soyer HP, Chimenti S, 1327
CDKN2A: The IVS2-105A/G Intronic Mutation Found in an Italian Patient Affected by Eight Primary Melanomas, Majore S, Catricalà C, Binni F, De Simone P, Eibenschutz L, Grammatico P, 450
cDNA, 147
cDNA amplification, 361
cDNA cloning, 1225
cell adhesion, 747
cell cycle, 414, 1356
cell death, 1348
cell migration, 266, 1198
cell motility, 1293
cell–cell interaction, 1188
cell-mediated immunity, 295
Cellular Coincidence of Clonal T Cell Receptor Rearrangements and Complex Clonal Chromosomal Aberrations—A Hallmark of Malignancy in Cutaneous T Cell Lymphoma, Muche JM, Karenko L, Gellrich S, Karhu R, Kytölä S, Kähkönen M, Lukowsky A, Sterry W, Ranki A, 574
ceramide, 722
c-Fos, 791
Characterization of Kdap, a Protein Secreted by Keratinocytes, Tsuchida S, Bonkobara M, McMillan JR, Akiyama M, Yudate T, Aragane Y, Tezuka T, Shimizu H, Cruz PD, Ariizumi K, 1225
Characterization of Melanosomes in Murine Hermansky–Pudlak Syndrome: Mechanisms of Hypopigmentation, Nguyen T, Wei ML, 452
Characterization of the Anti-BP180 Autoantibody Reactivity Profile and Epitope Mapping in Bullous Pemphigoid Patients, Di Zenzo G, Grosso F, Terracina M, Mariotti F, De Pità O, Owaribe K, Mastrogiacomo A, Sera F, Borradori L, Zambruno G, 103
Characterization of the Sensitizing Potential of Chemicals by *In Vitro* Analysis of Dendritic Cell Activation and Skin Penetration, Aeby P, Wyss C, Beck H, Griem P, Scheffler H, Goebel C, 1154
Characterizing the Protective Component of the αβ T Cell Response to Transplantable Squamous Cell Carcinoma, Girardi M, Oppenheim D, Glusac EJ, Filler R, Balmain A, Tigelaar RE, Hayday AC, 699
chemotaxis, 111
chemotherapy, 1488
chimeric receptor, 414
cholesterol, 314, 1207
cholesterol sulfate, 314
chondroitin sulfate, 266
Chromosomal Aberration Patterns Differ in Subtypes of Primary Cutaneous B Cell Lymphomas, Hallermann C, Kaune KM,

Siebert R, Vermeer MH, Tensen CP, Willemze R, Gunawan B, Bertsch HP, Neumann C, 1495
chromosome, 574
chromosome aberration, 1495
chronic disease, 665
Circadian and Ultradian (12 h) Variations of Skin Blood Flow and Barrier Function in Non-Irritated and Irritated Skin—Effect of Topical Corticosteroids, Yosipovitch G, Sackett-Lundeen L, Goon A, Huak CY, Goh CL, Haus E, 824
circadian rhythm, 824
c-Jun, 791
clinical practice variation, 246
clinical trial, 587
clone, 574
coculture, 216
collagen, 266
collagen fibrils, 1471
collagen XVII, 65
collagenase, 1188
communication, 1310
comparative genomic hybridization, 579, 1495
connective tissue, 885
connexin-26, 1108
connexin-30, 1108
Connexins 26, 30, and 43: Differences Among Spontaneous, Chronic, and Accelerated Human Wound Healing, Brandner JM, Houdek P, Hüsing B, Kaiser C, Moll I, 1310
corneodesmosin, 730
corneodesmosomes, 314
cornified envelope, 909
cortex, 565
corticosteroids, 673
Corticosteroids But Not Pimecrolimus Affect Viability, Maturation and Immune Function of Murine Epidermal Langerhans Cells, Hoetzenecker W, Meingassner JG, Ecker R, Stingl G, Stuetz A, Elbe-Bürger A, 673
CPD, 526
CpG Oligonucleotides Elicit Antitumor Responses in a Human Melanoma NOD/SCID Xenotransplantation Model, Krepler C, Wacheck V, Strommer S, Hartmann G, Polterauer P, Wolff K, Pehamberger H, Jansen B, 387
Cryptic Splicing at a Non-Consensus Splice-Donor in a Patient with a Novel Mutation in the Plakophilin-1 Gene, Steijlen PM, van Steensel MAM, Jansen BJH, Blokx W, van de Kerkhof PCM, Happle R, van Geel M, 1321
CTCL, 574, 1570
CTGF, 1
CTL, 1042
c-type lectin, 670
cutaneous lymphoma, 820, 1495
cutaneous squamous cell carcinoma, 1284
cutaneous T cell lymphoma, 111
cyclic AMP, 1010
cyclooxygenase-2, 1488
cyclophosphamide, 7
CYLD1 gene, 658
cytokine resistance, 414
cytokines, 87, 414, 764
cytoskeleton, 78
cytotoxic T lymphocytes, 392
cytotoxicity, 125

D

D609, 773
death receptor, 125
Death Receptor-Independent Apoptosis in Malignant Melanoma Induced by the Small-Molecule Immune Response Modifier Imiquimod, Schön MP, Wienrich BG, Drewniok C, Bong AB, Eberle J, Geilen CC, Gollnick H, Schön M, 1266
Deficiency of Tenascin-X Causes Abnormalities in Dermal Elastic Fiber Morphology, Zweers MC, van Vlijmen-Willems IM, van Kuppevelt TH, Mecham RP, Steijlen PM, Bristow J, Schalkwijk J, 885
Degradation of Corneodesmosome Proteins by Two Serine Proteases of the Kallikrein Family, SCTE/KLK5/hK5 and SCCE/KLK7/hK7, Caubet C, Jonca N, Brattsand M, Guerrin M, Bernard D, Schmidt R, Egelrud T, Simon M, Serre G, 1235
dendricity, 1214
dendritic cells, 95, 387, 670, 1165
dermal papilla, 239
dermatitis, 691
Dermatology Foundation: Staphylococcus Aureus Exfoliative Toxins: How They Cause Disease, Plano LRW, 1070
dermis, 885
desmosomes, 747, 1235
DHI, 503
DHICA, 503
Dietary Lutein Reduces Ultraviolet Radiation-Induced Inflammation and Immunosuppression, Lee EH, Faulhaber D, Hanson KM, Ding W, Peters S, Kodali S, Granstein RD, 510
Different Susceptibility of Malignant versus Nonmalignant Human T Cells Toward Ultraviolet A-1 Radiation-Induced Apoptosis, Yamauchi R, Morita A, Yasuda Y, Grether-Beck S, Klotz L-O, Tsuji T, Krutmann J, 477
Differential Expression and Function of Toll-like Receptors in Langerhans Cells: Comparison with Splenic Dendritic Cells, Mitsui H, Watanabe T, Saeki H, Mori K, Fujita H, Tada Y, Asahina A, Nakamura K, Tamaki K, 95
Differential Regulation by IL-1β and EGF of Expression of Three Different Hyaluronan Synthases in Oral Mucosal Epithelial Cells and Fibroblasts and Dermal Fibroblasts: Quantitative Analysis Using Real-Time RT-PCR, Yamada Y, Itano N, Hata K-i, Ueda M, Kimata K, 631
differentiation, 278, 555, 909, 1225
1,25-dihydroxyvitamin D3, 1356
2,4-dinitrochlorobenzene, 291
diphenylcyclopropenone, 291
Discrimination of Melanocytic Tumors by cDNA Array Hybridization of Tissues Prepared by Laser Pressure Catapulting, Becker B, Roesch A, Hafner C, Stolz W, Dugas M, Landthaler M, Vogt T, 361
disease susceptibility, 1133
DLQI, 1372
DNA damage, 1448
DNA repair, 429
dotmatrix planimetry, 7
double-stranded RNA-specific adenosine deaminase, 896
downregulation, 927
Downregulation of *BRCA1* in A375 Melanoma Cell Line Increases Radio-Sensitivity and Modifies Metastatic and Angiogenic Gene Expression, Hesling C, D'Incan M, D'Incan C, Souteyrand P, Monboisse J-C, Pasco S, Madelmont J-C, Bignon YJ, 369
dyschromatosis symmetrica hereditaria, 896
Dystroglycan in Skin and Cutaneous Cells: β-Subunit Is Shed from the Cell Surface, Herzog C, Has C, Franzke C-W, Echtermeyer FG, Schlötzer-Schrehardt U, Kröger S, Gustafsson E, Fässler R, Bruckner-Tuderman L, 1372

E

E-cadherin, 20
ectodermal dysplasia, 892

Effects of Relative Humidity and Ambient Temperature on the Ballistic Delivery of Micro-Particles to Excised Porcine Skin, Kendall M, Rishworth S, Carter F, Mitchell T, 739
EGF, 1390
Ehlers–Danlos syndrome, 885
Elastin-Derived Peptides Upregulate Matrix Metalloproteinase-2-ediated Melanoma Cell Invasion Through Elastin-Binding Protein, Ntayi C, Labrousse A-L, Debret R, Birembaut P, Bellon G, Antonicelli F, Hornebeck W, Bernard P, 256
electron microscopy, 1137
endocytosis, 300
eosinophil, 1406
EPC-1, 1096
Epicutaneous Application of CpG Oligodeoxynucleotides with Peptide or Protein Antigen Promotes the Generation of CTL, Klimuk SK, Najar HM, Semple SC, Aslanian S, Dutz JP, 1042
epidemiology, 39, 873, 1456
Epidermal and Hair Follicle Progenitor Cells Express Melanoma-Associated Chondroitin Sulfate Proteoglycan Core Protein, Ghali L, Wong S-T, Tidman N, Quinn A, Philpott MP, Leigh IM, 433
epidermal growth factor, 130
Epidermal Growth Factor Induces Fibronectin Expression in Human Dermal Fibroblasts via Protein Kinase C δ Signaling Pathway, Mimura Y, Ihn H, Jinnin M, Asano Y, Yamane K, Tamaki K, 1390
Epidermal Lamellar Granules Transport Different Cargoes as Distinct Aggregates, Ishida-Yamamoto A, Simon M, Kishibe M, Miyauchi Y, Takahashi H, Yoshida S, O'Brien TJ, Serre G, Iizuka H, 1137
epidermal pigmentation, 1256
epidermis, 29, 140, 330, 730, 747, 764, 1165, 1207, 1235
epidermolysis bullosa, 65, 647
epithelia, 222
epitope spreading, 103
epitopes, 392
ERK, 783
erythema, 183, 295
Estrogens and Human Scalp Hair Growth—Still More Questions than Answers, Conrad F, Ohnemus U, Bodo E, Bettermann A, Paus R, 840
ethnic, 652
eumelanin, 492, 1251
Evaluation of the IRF-2 Gene as a Candidate for PSORS3, Foerster J, Nolte I, Schweiger S, Ehlert C, Bruinenberg M, Spaar K, van der Steege G, Mulder M, Kalscheuer V, Moser B, Kijas Z, Seeman P, Ständer M, Sterry W, te Meerman G, 61
Evidence of Increased Apoptosis and Reduced Proliferation in Basal Cell Carcinomas Treated with Tazarotene, Orlandi A, Bianchi L, Costanzo A, Campione E, Spagnoli LG, Chimenti S, 1037
Expression and Regulation of RANTES/CCL5, MIP-1α/CCL3, and MIP-1β/CCL4 in Mouse Langerhans Cells, Fujita H, Asahina A, Gao P, Fujiwara H, Tamaki K, 1331
Expression of Cholesterol Sulfotransferase (SULT2B1b) in Human Skin and Primary Cultures of Human Epidermal Keratinocytes, Higashi Y, Fuda H, Yanai H, Lee Y, Fukushige T, Kanzaki T, Strott CA, 1207
Expression of Indoleamine 2,3-Dioxygenase in Dermal Fibroblasts Functions as a Local Immunosuppressive Factor, Li Y, Tredget EE, Kilani RT, Iwashina T, Karami A, Lin X, Ghahary A, 953
Expression of Neuropeptide Galanin and Galanin Receptors in Human Skin, Kofler B, Berger A, Santic R, Moritz K, Almer D, Tuechler C, Lang R, Emberger M, Klausegger A, Sperl W, Bauer JW, 1050
Expression Profiling of Human Keratinocyte Response to Ultraviolet A: Implications in Apoptosis, He Y-Y, Huang J-L, Sik RH, Liu J, Waalkes MP, Chignell CF, 533
extracellular matrix, 621
extracellular signal-regulated kinase, 791

F

Fas, 44
Fas ligand, 44
fasting, 971
feather development, 1348
Fetal Microchimerism Is Common in Normal and Diseased Vulvar Skin, Regauer S, Schwaiger P, Liegl B, Klintschar M, 1059
FGF-13, 1084
Fibroblast Invasive Migration into Fibronectin/Fibrin Gels Requires a Previously Uncharacterized Dermatan Sulfate-CD44 Proteoglycan, Clark RAF, Lin F, Greiling D, An J, Couchman JR, 266
fibroblasts, 266, 278, 621, 953, 1188, 1440, 1471
fibronectin, 1390
fibrosis, 1, 594
filaggrin, 1423
fluorescence *in situ* hybridization, 1495
focal adhesion kinase, 1471
follow-up testing, 246
forkhead transcription factor, 1180
FOXE1, A New Transcriptional Target of GLI2, Is Expressed in Human Epidermis and Basal Cell Carcinoma, Eichberger T, Regl G, Ikram MS, Neill GW, Philpott MP, Aberger F, Frischauf A-M, 1180
freckles, 286
Functional CCR9 Expression Is Associated with Small Intestinal Metastasis, Letsch A, Keilholz U, Schadendorf D, Assfalg G, Asemissen AM, Thiel E, Scheibenbogen C, 685

G

G protein-coupled receptor, 565
α-galactosidase A, 900
gap junctions, 1108, 1310
GBP-5 Splicing Variants: New Guanylate-Binding Proteins with Tumor-Associated Expression and Antigenicity, Fellenberg F, Hartmann TB, Dummer R, Usener D, Schadendorf D, Eichmüller S, 1570
gender, 1372
gene expression, 147, 1114
gene expression *in vivo*, 1096
gene hyper methylation, 1284
gene mapping, 286, 1121
gene therapy, 73
general population, 873
Genetic Heterogeneity of KID Syndrome: Identification of a Cx30 Gene (*GJB6*) Mutation in a Patient with KID Syndrome and Congenital Atrichia, Jan AY, Amin S, Ratajczak P, Richard G, Sybert VP, 1108
Genetic Interaction Between *NRAS* and *BRAF* Mutations and *PTEN/MMAC1* Inactivation in Melanoma, Tsao H, Goel V, Wu H, Yang G, Haluska FG, 337
Genetic Polymorphisms of Killer Cell Immunoglobulin-Like Receptors Are Associated with Susceptibility to Psoriasis Vulgaris, Suzuki Y, Hamamoto Y, Ogasawara Y, Ishikawa K, Yoshikawa Y, Sasazuki T, Muto M, 1133

genodermatoses, 652
genodermatosis, 73, 78, 892
Genome Scans Provide Evidence for Keloid Susceptibility Loci on Chromosomes 2q23 and 7p11, Marneros AG, Norris JEC, Watanabe S, Reichenberger E, Olsen BR, 1126
genome-wide scans, 286, 1121, 1401
Genomic Aberrations and Survival in Cutaneous T Cell Lymphomas, Fischer TC, Gellrich S, Muche JM, Sherev T, Audring H, Neitzel H, Walden P, Sterry W, Tönnies H, 579
Geographic and Patient Variation in Receipt of Surveillance Procedures After Local Excision of Cutaneous Melanoma, Barzilai DA, Cooper KD, Neuhauser D, Rimm AA, Cooper GS, 246
Gleevec, 400
GLI transcription factor, 1180
GLI2 Is Expressed in Normal Human Epidermis and BCC and Induces GLI1 Expression by Binding to its Promoter, Ikram MS, Neill GW, Regl G, Eichberger T, Frischauf A-M, Aberger F, Quinn A, Philpott M, 1503
globotriaosylceramide, 900
glucosylceramide, 722
glycoprotein, 1372
glycosaminoglycan, 266, 707
granule, 381
green tea polyphenols, 1480
Green Tea Polyphenols Prevent Ultraviolet Light-Induced Oxidative Damage and Matrix Metalloproteinases Expression in Mouse Skin, Vayalil PK, Mittal A, Hara Y, Elmets CA, Katiyar SK, 1480
growth, 167
GSMA, 1401
GTPases, 1570

H

hair, 159, 381, 965, 1348
hair bulb cell, 565
hair dyes, 1154
hair follicle, 433
hair follicle dystrophy, 7
hair follicles, 147, 239, 555, 652, 730, 878, 1078, 1084, 1180
hair growth cycle, 1084
Hair Keratin Associated Proteins: Characterization of a Second High Sulfur KAP Gene Domain on Human Chromosome 21, Rogers MA, Langbein L, Winter H, Beckmann I, Praetzel S, Schweizer J, 147
hair loss, 7
Hair Whorls and Monozygosity, Paine ML, Paine CT, Machin GA, 1057
health services research, 246
health status indicators, 602
Health-Related Quality of Life and Hand Eczema—A Comparison of Two Instruments, Including Factor Analysis, Wallenhammar L-M, Nyfjäll M, Lindberg M, Meding B, 1372
hearing loss, 1108
hedgehog signaling, 1180
hematopoietic stem cell, 1061
heme oxygenase, 1030
hemidesmosome, 65, 103, 1413
heparan sulfate, 266
heparin, 614
heterogeneity, 658
High-Efficiency Stable Gene Transduction in Primary Human Melanocytes Using a Lentiviral Expression System, Dunlap S, Yu X, Cheng L, Civin CI, Alani RM, 549
Histamine Enhances the Production of Granulocyte-Macrophage Colony-Stimulating Factor via Protein Kinase Cα and Extracellular Signal-Regulated Kinase in Human Keratinocytes, Kanda N, Watanabe S, 863
homing, 685, 830, 1061
Homo-Oligomerization of Human Corneodesmosin Is Mediated by Its N-Terminal Glycine Loop Domain, Caubet C, Jonca N, Lopez F, Estève J-P, Simon M, Serre G, 747
Homozygous Splice Site Mutations in PKP1 Result in Loss of Epidermal Plakophilin 1 Expression and Underlie Ectodermal Dysplasia/Skin Fragility Syndrome in Two Consanguineous Families, Sprecher E, Molho-Pessach V, Ingber A, Sagi E, Indelman M, Bergman R, 647
HPLC, 1251
HT1080 fibrosarcoma cell, 278
human, 300, 392, 652, 1078
human airway trypsin-like protease, 937
Human Airway Trypsin-Like Protease Induces PAR-2-Mediated IL-8 Release in Psoriasis Vulgaris, Iwakiri K, Ghazizadeh M, Jin E, Fujiwara M, Takemura T, Takezaki S-i, Kawana S, Yasuoka S, Kawanami O, 937
human papillomavirus, 1456
Human Single-Chain Antibodies Reactive with Native Chondroitin Sulfate Detect Chondroitin Sulfate Alterations in Melanoma and Psoriasis, Smetsers TFCM, van de Westerlo EMA, ten Dam GB, Overes IM, Schalkwijk J, van Muijen GNP, van Kuppevelt TH, 707
human skin and oral epithelial cells, 1000
humidity, 739
hyaluronan, 631
hyaluronan synthase genes, 631
hydrogen peroxide, 484
ω-hydroxylation, 722
25 Hydroxyvitamin D 1 α-Hydroxylase Is Required for Optimal Epidermal Differentiation and Permeability Barrier Homeostasis, Bikle DD, Chang S, Crumrine D, Elalieh H, Man M-Q, Choi EH, Dardenne O, Xie Z, Arnaud RS, Feingold K, Elias PM, 984
hyperkeratosis, 730
hyperplasia, 130

I

ichthyosis, 314, 909
ICI 182.780, 7
Identification of a Locus for Punctate Palmoplantar Keratodermas at Chromosome 8q24.13–8q24.21, Zhang X-J, Li M, Gao T-W, He P-P, Wei S-C, Liu J-B, Li C-R, Cui Y, Yang S, Yuan W-T, Li C-Y, Liu Y-F, Xu S-J, Huang W, 1121
Identification of an HLA-A3-Restricted Cytotoxic T Lymphocyte (CTL) Epitope from ML-IAP, Andersen MH, Becker JC, thor Straten P, 1336
Identification of the Cylindromatosis Tumor-Suppressor Gene Responsible for Multiple Familial Trichoepithelioma, Zhang X-J, Liang Y-H, He P-P, Yang S, Wang H-Y, Chen J-J, Yuan W-T, Xu S-J, Cui Y, Huang W, 658
IFN, 87
IFN-g, 20
IGFBP, 1198
IgG Binds to Desmoglein 3 in Desmosomes and Causes a Desmosomal Split Without Keratin Retraction in a Pemphigus Mouse Model, Shimizu A, Ishiko A, Ota T, Tsunoda K, Amagai M, Nishikawa T, 1145
IL-1β, 1154
IL12B promoter polymorphism, 923
IL-4, 20
IL-8, 937
Imatinib Mesylate Inhibits Platelet-Derived Growth Factor Receptor Phosphorylation of Melanoma Cells But Does Not

Affect Tumorigenicity *In Vivo*, McGary EC, Onn A, Mills L, Heimberger A, Eton O, Thomas GW, Shtivelband M, Bar-Eli M, 400
imiquimod, 330, 1266
Imiquimod-Induced Interleukin-1α Stimulation Improves Barrier Homeostasis in Aged Murine Epidermis, Barland CO, Zettersten E, Brown BS, Ye J, Elias PM, Ghadially R, 330
immediate pigment darkening, 492
immune response modifier, 1266
immune suppression, 295
immune tolerance, 927
immunoelectron microscopy, 1137
immunogold electron microscopy, 1145
immunohistochemistry, 885, 1030
immunologic receptors, 1133
immunology, 510
Immunoprotective UVA (320–400 nm) Irradiation Upregulates Heme Oxygenase-1 in the Dermis and Epidermis of Hairless Mouse Skin, Allanson M, Reeve VE, 1030
immunostimulation, 387
immunosuppression, 291, 1456
Impaired Sphingomyelinase Activity and Epidermal Differentiation in Atopic Dermatitis, Jensen J-M, Fölster-Holst R, Baranowsky A, Schunck M, Winoto-Morbach S, Neumann C, Schütze S, Proksch E, 1423
Implications of Using the ND1 Gene as a Control Region for Real-Time PCR Analysis of Mitochondrial DNA Deletions in Human Skin, Harbottle A, Krishnan KJ, Birch-Machin MA, 1518
In Psoriasis Lesional Skin the Type I Interferon Signaling Pathway Is Activated, Whereas Interferon-α Sensitivity Is Unaltered, van der Fits L, van der Wel LI, Laman JD, Prens EP, Verschuren MCM, 51
Incidence of Hand Eczema—A Population-Based Retrospective Study, Meding B, Järvholm B, 873
indoleamine 2,3-dioxygenase (IDO), 953
Induction of RANTES by TWEAK/Fn14 Interaction in Human Keratinocytes, Jin L, Nakao A, Nakayama M, Yamaguchi N, Kojima Y, Nakano N, Tsuboi R, Okumura K, Yagita H, Ogawa H, 1175
Induction of the Photoaging-Associated Mitochondrial Common Deletion *In Vivo* in Normal Human Skin, Berneburg M, Plettenberg H, Medve-König K, Pfahlberg A, Gers-Barlag H, Gefeller O, Krutmann J, 1277
inflammation, 51, 497, 665, 764, 830, 1165
Insights Into the Molecular Mechanism of Chronic Fibrosis: The Role of Connective Tissue Growth Factor in Scleroderma, Leask A, Denton CP, Abraham DJ, 1
in situ hybridization, 147, 1030
In-Situ Imaging Mass Spectrometry Analysis of Melanin Granules in the Human Hair Shaft, Hallégot P, Peteranderl R, Lechene C, 381
insulin-like growth factors (IGF), 1198
Insulin-Like Growth Factors (IGF) and IGF-Binding Proteins Bound to Vitronectin Enhance Keratinocyte Protein Synthesis and Migration, Hyde C, Hollier B, Anderson A, Harkin D, Upton Z, 1198
Insuring Rapid and Robust Safety Assessment, Stern RS, Njisten T, 857
β1 integrin, 1471
interferon, 1570
interferon-α, 51
Interferon α-Inducible Protein 27 (IFI27) is Upregulated in Psoriatic Skin and Certain Epithelial Cancers, Suomela S, Cao L, Bowcock A, Saarialho-Kere U, 717
interferon-γ, 699, 717
Interferon-γ-Mediated Growth Regulation of Melanoma Cells: Involvement of STAT1-Dependent and STAT1-Independent Signals, Kortylewski M, Komyod W, Kauffmann M-E, Bosserhoff A, Heinrich PC, Behrmann I, 414
interferon regulatory factor, 51
interferon regulatory factor-2, 640
interleukin-1, 330, 665
interleukin-1α, 216
interleukin-10, 468, 927, 1448
interleukin-12, 923
Interleukin 6 Indirectly Induces Keratinocyte Migration, Gallucci RM, Sloan DK, Heck JM, Murray AR, O'Dell SJ, 764
intermediate filaments, 892
Intravenous Anti-IL-5 Monoclonal Antibody Reduces Eosinophils and Tenascin Deposition in Allergen-Challenged Human Atopic Skin, Phipps S, Flood-Page P, Menzies-Gow A, Ong YE, Kay AB, 1406
invasion, 167, 256, 461
in vivo ESR, 1463
In Vivo Oxygen Radical Generation in the Skin of the Protoporphyria Model Mouse with Visible Light Exposure: An L-Band ESR Study, Takeshita K, Takajo T, Hirata H, Ono M, Utsumi H, 1463
involucrin, 984, 1423
Involvement of Photooxidation of Melanogenic Precursors in Prolonged Pigmentation Induced by Ultraviolet A, Maeda K, Hatao M, 503
iron, 1440
isoprenylation, 1570

K

K14, 73
K252a, a High-Affinity Nerve Growth Factor Receptor Blocker, Improves Psoriasis: An *In Vivo* Study Using the Severe Combined Immunodeficient Mouse–Human Skin Model, Raychaudhuri SP, Sanyal M, Weltman H, Kundu-Raychaudhuri S, 812
kallikreins, 1235
keloid, 1126
keratin, 73, 147, 791, 1423
keratinization, 565, 1348
keratinocyte, 433, 1356
keratinocyte activation, 1448
keratinocyte differentiation, 29, 878
Keratinocyte G2/M Growth Arrest by 1,25-Dihydroxyvitamin D3 Is Caused by Cdc2 Phosphorylation Through Wee1 and Myt1 Regulation, Dai X, Yamasaki K, Yang L, Sayama K, Shirakata Y, Tokumara S, Yahata Y, Tohyama M, Hashimoto K, 1356
keratinocyte growth factor 1, 222
Keratinocyte Growth Factor 1 Inhibits Wound Edge Epithelial Cell Apoptosis *In Vitro*, Firth JD, Putnins EE, 222
keratinocyte hyperproliferation, 717
Keratinocyte-Releasable Stratifin Functions as a Potent Collagenase-Stimulating Factor in Fibroblasts, Ghahary A, Karimi-Busheri F, Marcoux Y, Li Y, Tredget EE, Kilani RT, Li L, Zheng J, Karami A, Keller BO, Weinfeld M, 1188
keratinocytes, 20, 51, 78, 140, 278, 433, 497, 503, 533, 651, 783, 1010, 1137, 1175, 1188, 1198, 1207, 1214, 1225, 1356
Keratinocytes Rapidly Readjust Ceramide–Sphingomyelin Homeostasis and Contain a Phosphatidylcholine–Sphingomyelin Transacylase, Wanner R, Peiser M, Wittig B, 773
keratins, 555
keratoderma, 647
KIR3DL2, 820
KIT protein, 1256

Krt6a-Cre Transgenic Mice Direct *LoxP*-Mediated Recombination to the Companion Cell Layer of the Hair Follicle and Following Induction by Retinoic Acid to the Interfollicular Epidermis, Smyth I, Ellis T, Hetherington R, Riley E, Narang M, Mahony D, Wicking C, Rothnagel JA, Wainwright BJ, 232

L

Lack of BRAF Mutations in Spitz Nevi, Gill M, Renwick N, Silvers DN, Çelebi JT, 1325
lactate, 755
lameller bodies, 984
laminin α4, 614
Langerhan, 670
Langerhans Cell Resistance, CD11b+ Cell Influx, and Cytokine mRNA Expression in Skin after UV Exposure in Patients with Polymorphous Light Eruption as Compared with Healthy Control Subjects, Wackernagel A, Bäck B, Quehenberger F, Cerroni L, Kerl H, Wolf P, 1342
Langerhans cell-like dendritic cells, 300
Langerhans cells, 95, 119, 670, 673
Langerhans Cells in CD44-Deficient Mice Emigrate from the Epidermis But Fail to Reach the Lymph Nodes After Hapten Application, Mummert DI, Takashima A, Mummert ME, 846
Langerhans Cells Integrated into Human Reconstructed Epidermis Respond to Known Sensitizers and Ultraviolet Exposure, Facy V, Flouret V, Régnier M, Schmidt R, 552
laser, 518
laser microdissection, 361
late-phase reaction, 1406
lentigo senilis, 1256
linkage analysis, 286, 658, 896, 1121, 1126
linkage disequilibrium, 640
lipid, 971
lipoxygenase, 691
LLNA, 1154
Localization of the Laminin α4 Chain in the Skin and Identification of a Heparin-Dependent Cell Adhesion Site Within the Laminin α4 Chain C-Terminal LG4 Module, Matsuura H, Momota Y, Murata K, Matsushima H, Suzuki N, Nomizu M, Shinkai H, Utani A, 614
loricrin, 1423
Loss of EPC-1/PEDF Expression During Skin Aging *In Vivo*, Francis MK, Appel S, Meyer C, Balin SJ, Balin AK, Cristofalo VJ, 1096
lymphoma-chromosomal abberation, 579
lysosomal storage disease, 900
Lysyl Oxidase-Like and Lysyl Oxidase Are Present in the Dermis and Epidermis of a Skin Equivalent and in Human Skin and Are Associated to Elastic Fibers, Noblesse E, Cenizo V, Bouez C, Borel A, Gleyzal C, Peyrol S, Jacob M-P, Sommer P, Damour O, 621

M

macrophages, 387
Mail Surveys Can Achieve High Response Rates in a Dermatology Patient Population, Filip JC, Ming ME, Levy RM, Hoffstad OJ, Margolis DJ, 39
major histocompatibility complex, 1133
malignant melanoma, 1266
manganese compounds, 484
maspin, 805
matrix metalloproteinase, 1480
Matrix Metalloproteinase 9 Expression is Coordinately Modulated by the KRE-M9 and 12-O-Tetradecanoyl-Phorbol-13-Acetate Responsive Elements, Kobayashi T, Kishimoto J, Hattori S, Wachi H, Shinkai H, Burgeson RE, 278
maximum flux, 993
Measures of Clinical Severity, Quality of Life, and Psychological Distress in Patients with Psoriasis: A Cluster Analysis, Sampogna F, Sera F, Abeni D, 602
mechanical stretching, 783
Mechanical Stretching *In Vitro* Regulates Signal Transduction Pathways and Cellular Proliferation in Human Epidermal Keratinocytes, Yano S, Komine M, Fujimoto M, Okochi H, Tamaki K, 783
mechanical tension, 1471
Mechanisms of Microvascular Response to Laser Pulses, Suthamjariya K, Farinelli WA, Koh W, Anderson RR, 518
mechanobullous genodermatosis, 1302
melanin, 381
melanocortin, 1010
α-melanocyte-stimulating hormone, 468
α-Melanocyte-Stimulating Hormone, MSH 11–13 KPV and Adrenocorticotropic Hormone Signalling in Human Keratinocyte Cells, Elliott RJ, Szabo M, Wagner MJ, Kemp EH, MacNeil S, Haycock JW, 1010
melanocytes, 452, 1214
melanocytic nevi, 805
melanoma, 167, 337, 342, 361, 429, 805, 1245, 1570
A375 melanoma cells, 369
melanoma cells, 349
Melanoma Diagnosis by Raman Spectroscopy and Neural Networks: Structure Alterations in Proteins and Lipids in Intact Cancer Tissue, Gniadecka M, Philipsen PA, Sigurdsson S, Wessel S, Nielsen OF, Christensen DH, Hercogova J, Rossen K, Thomsen HK, Gniadecki R, Hansen LK, Wulf HC, 443
melanoma metastasis, 1293
melanosome, 1251
Membrane Type-1 Matrix Metalloproteinase Promotes Human Melanoma Invasion and Growth, Iida J, Wilhelmson KL, Price MA, Wilson CM, Pei D, Furcht LT, McCarthy JB, 167
meta-analysis, 1401
Meta-Analysis of Genome-Wide Studies of Psoriasis Susceptibility Reveals Linkage to Chromosomes 6p21 and 4q28–q31 in Caucasian and Chinese Hans Population, Sagoo GS, Tazi-Ahnini R, Barker JWN, Elder JT, Nair RP, Samuelsson L, Traupe H, Trembath RC, Robinson DA, Iles MM, 1401
metastasis, 369
Methimazole Is an Inhibitor of Melanin Synthesis in Cultured B16 Melanocytes, Kasraee B, Hügin A, Tran C, Sorg O, Saurat J-H, 1338
methylation, 805
5H6MICA, 503
6H5MICA, 503
mice, knockout, 665
microarray, 216, 533
microcirculation, 587
Microtubule-Dependent Redistribution of a Cytoplasmic Cornified Envelope Precursor, Broome A-M, Eckert RL, 29
microvessel, 518
migration, 461, 1165
Missed Calculations and New Conclusions: Re-Calculation of Genotype Distribution Data Published in *Journal of Investigative Dermatology*, 1998–2003, Györffy B, Kocsis I, Vásárhelyi B, 644
mitochondria, 1277

mitochondrial DNA, 1277
mitogen-activated protein kinase, 1365
MMP, 256
Modulation of Skin Norepinephrine Turnover by Allergen Sensitization: Impact on Contact Hypersensitivity and T Helper Priming, Maestroni GJM, 119
Molecular Cloning of Human Dectin-2, Kanazawa N, Tashiro K, Inaba K, Lutz MB, Miyachi Y, 1522
Molecular Consequences of Deletion of the Cytoplasmic Domain of Bullous Pemphigoid 180 in a Patient with Predominant Features of Epidermolysis Bullosa Simplex, Fontao L, Tasanen K, Huber M, Hohl D, Koster J, Bruckner-Tuderman L, Sonnenberg A, Borradori L, 65
Molecular Size as the Main Determinant of Solute Maximum Flux Across the Skin, Magnusson BM, Anissimov YG, Cross SE, Roberts MS, 993
Monitoring the 3-Year Efficacy of Enzyme Replacement Therapy in Fabry Disease by Repeated Skin Biopsies, Thurberg BL, Byers HR, Granter SR, Phelps RG, Gordon RE, O'Callaghan M, 900
monoclonal antibodies, 707
morphogenesis, 1084
mortality, 1091
Mortality Rate of Bullous Pemphigoid in a US Medical Center, Colbert RL, Allen DM, Eastwood D, Fairley JA, 1091
mouse, 330
mouse model, 44
mouse skin, 1030
mRNA stability, 863
MRP6, 608
αMSH, 1010
multidrug resistance, 349
multi-isotope imaging mass spectrometry, 381
multiple familial trichoepithelioma, 658
murine, 1488
mutagenesis, 190
mutations, 65, 73, 608, 658
mycosis fungoides, 579
Myt1, 1356

N

nail dystrophy, 892
natural killer cells, 1133
neonatal rat, 320
nerve endings, 177
network, 1310
neurotensin, 111
neurotensin receptors, 111
neutrophils, 1448
nevi, 429, 443
NF-κB, 691, 1440
nitroxyl radical, 1463
NKG2D, 699
No Association Between p53 Codon 72 Polymorphisms and Erythemal Response, Manson C, Naysmith L, Waterston K, Melton DW, Rees JL, 1334
non-melanoma skin cancer, 1488
Novel *ABCC6* Mutations in Pseudoxanthoma Elasticum, Chassaing N, Martin L, Mazereeuw J, Barrié L, Nizard S, Bonafé J-L, Calvas P, Hovnanian A, 608
Novel Autoantibody to Cu/Zn Superoxide Dismutase in Patients with Localized Scleroderma, Nagai M, Hasegawa M, Takehara K, Sato S, 594
Novel Mechanism of Revertant Mosaicism in Dowling–Meara Epidermolysis Bullosa Simplex, Smith FJD, Morley SM, McLean WHI, 73
Novel Mutations of the RNA-Specific Adenosine Deaminase Gene (*DSRAD*) in Chinese Families with Dyschromatosis Symmetrica Hereditaria, Liu Q, Liu W, Jiang L, Sun M, Ao Y, Zhao X, Song Y, Luo Y, Lo WHY, Zhang X, 896
N-*ras*, 337, 342
nuclear factor-κB, 863
nuclear hormone receptor, 971
nude mice, 400

O

occupational dermatology, 1372
oligodeoxynucleotides, 1042
oligonucleotides, 387, 1114
On the Regulation of Hair Keratin Expression: Lessons from Studies in Pilomatricomas, Cribier B, Peltre B, Grosshans E, Langbein L, Schweizer J, 1078
ontogeny, 670
Ontogeny of Langerin/CD207 Expression in the Epidermis of Mice, Tripp CH, Chang-Rodriguez S, Stoitzner P, Holzmann S, Stössel H, Douillard P, Saeland S, Koch F, Elbe-Bürger A, Romani N, 670
optical fiber, 1432
optoacoustic, 1432
organelle biogenesis, 452
oxidant, 1020
oxidative stress, 307, 484
oxidoreductase, 1000
oxygen supply, 1020

P

$p14^{ARF}$, 1284
$p16^{INK4a}$, 1284
$p16^{INK4a}$ and $p14^{ARF}$ Tumor Suppressor Genes Are Commonly Inactivated in Cutaneous Squamous Cell Carcinoma, Brown VL, Harwood CA, Crook T, Cronin JG, Kelsell DP, Proby CM, 1284
p38 MAPK/UV, 497
p38 Mitogen-Activated Protein Kinase Inhibitor Protects the Epidermis Against the Acute Damaging Effects of Ultraviolet Irradiation by Blocking Apoptosis and Inflammatory Responses, Hildesheim J, Awwad RT, Fornace AJ, 497
p53 phosphorylation, 484
p67*phox*, 1000
pachyonychia congenita, 965
pain threshold, 183
palmoplantar keratoderma, 1108
paracrine, 400
PEDF, 1096
pemphigus vulgaris, 1145
peptides, 392
permeability barrier, 330
peroxisome proliferator-activated receptor-gamma (PPAR-gamma), 130
Peroxisome Proliferator-Activated Receptor (PPAR)-β/δ Stimulates Differentiation and Lipid Accumulation in Keratinocytes, Schmuth M, Haqq CM, Cairns WJ, Holder JC, Dorsam S, Chang S, Lau P, Fowler AJ, Chuang G, Moser AH, Brown BE, Mao-Qiang M, Uchida Y, Schoonjans K, Auwerx J, Chambon P, Willson TM, Elias PM, Feingold KR, 971
Perturbed 6-Tetrahydrobiopterin Recycling via Decreased Dihydropteridine Reductase in Vitiligo: More Evidence for H_2O_2 Stress, Hasse S, Gibbons NCJ, Rokos H, Marles LK, Schallreuter KU, 307
pertussis toxin-sensitive g protein, 1365

phage display, 103, 707
phase 3 trial, 900
pheomelanin, 492, 1251
phospholipid, 773
photo radicals, 381
photoaging, 1448, 1480
photobiology, 1114
photodamage, 1471
photodermatoses, 295
physical properties, 755
physician's practice patterns, 246
pigment, 423
pigmentary glaucoma, 452
pigmentation, 452, 492
pilomatricoma, 878
pimecrolimus, 673
PKC inhibitor, 159
PKCδ, 1390
PKC-beta, 159
plakophilin, 647
plasminogen activator inhibitor-1, 1365
platelets, 830
poikiloderma, 78
point mutation, 896
polychoric correlation, 1372
polymorphic light eruption, 291
Polymorphisms in the Promoter of the Interleukin-4 Receptor α Chain Gene Are Associated with Atopic Dermatitis in Japan, Hosomi N, Fukai K, Oiso N, Kato A, Ishii M, Kunimoto H, Nakajima K, 843
Population Attributable Fraction Estimates of Familial Risk in Cutaneous Melanoma, Pfahlberg A, Uter W, Gefeller O, 853
porphyria, 1463
port wine stain, 518
Possible Role of Apoptosis in the Pathogenesis of Bleomycin-Induced Scleroderma, Yamamoto T, Nishioka K, 44
postnatal, 670
potassium, 755
6–4PP, 526
prediction, 993
Presence of a Sporadic Case of Systemic Granulomatosis Syndrome with a *CARD15* Mutation, Kanazawa N, Matsushima S, Kambe N, Tachibana T, Nagai S, Miyachi Y, 851
profiling, tissue biopsies, 361
proliferation, 783
promoter regions, 730
prostaglandin, 1214
prostaglandin E_2, 1488
prostaglandin receptors, 1214
prostanoids, 587
protease-activated receptor-2, 937
protein 14-3-3 σ, 1188
protein cross-linking, 621
protein kinase c, 1365
protein oxidation, 1480
protein synthesis, 1198
proteinase activated receptor, 1214
Proteinase-Activated Receptor-2 Stimulates Prostaglandin Production in Keratinocytes: Analysis of Prostaglandin Receptors on Human Melanocytes and Effects of PGE_2 and $PGF_{2\alpha}$ on Melanocyte Dendricity, Scott G, Leopardi S, Printup S, Malhi N, Seiberg M, LaPoint R, 1214
proteinases, 1235
proteolytic mimicry, 1293
pseudodominant inheritance, 608
pseudoxanthoma elasticum, 608
psoralens, 190, 1114
psoriasis, 61, 130, 691, 830, 923, 1401
Psoriasis Is Not Associated with IL-12p70/IL-12p40 Production and *IL12B* Promoter Polymorphism, Litjens NHR, van der Plas MJA, Ravensbergen B, Numan-Ruberg SC, van Assen Y, Thio HB, van Dissel JT, van de Vosse E, Nibbering PH, 923
psoriasis vulgaris, 937
Psoriasis-Like Cutaneous Inflammation in Mice Lacking Interleukin-1 Receptor Antagonist, Shepherd J, Little MC, Nicklin MJH, 665
Psoriatic Arthritis and *CARD15* Gene Polymorphisms: No Evidence for Association in the Italian Population, Giardina E, Novelli G, Costanzo A, Nisticò S, Bulli C, Sinibaldi C, Sorgi ML, Chimenti S, Pallone F, Taccari E, Borgiani P, 1106
psychology, 602
PTEN, 337
punctate palmoplantar keratodermas, 1121
PVDF, 1432

Q

quality of life indexes, 602
Quantitative Measures of the Effect of the Melanocortin 1 Receptor on Human Pigmentary Status, Naysmith L, Waterston K, Ha T, Flanagan N, Bisset Y, Ray A, Wakamatsu K, Ito S, Rees JL, 423
questionnaires, 602

R

radio-sensitivity, 369
RANTES, 1175
reactive oxygen species, 307, 594, 1463
real-time RT-PCR analysis, 631
recall bias, 873
Reciprocal Regulation of Thymus and Activation-Regulated Chemokine/Macrophage-Derived Chemokine Production by Interleukin (IL)-4/IL-13 and Interferon-γ in HaCaT Keratinocytes Is Mediated by Alternations in E-cadherin Distribution, Fujii-Maeda S, Kajiwara K, Ikizawa K, Shinazawa M, Yu B, Koga T, Furue M, Yanagihara Y, 20
reconstructed skin, 1293
Recurrent Mutations in Kindlin-1, a Novel Keratinocyte Focal Contact Protein, in the Autosomal Recessive Skin Fragility and Photosensitivity Disorder, Kindler Syndrome, Ashton GHS, McLean WHI, South AP, Oyama N, Smith FJD, Al-Suwaid R, Al Ismaily A, Atherton DJ, Harwood CA, Leigh IM, Moss C, Didona B, Zambruno G, Patrizi A, Eady RAJ, McGrath JA, 78
red hair, 423
Reduced Expression of Insulin-Like Growth Factor-Binding Protein-3 (IGFBP-3) in Squamous Cell Carcinoma Complicating Recessive Dystrophic Epidermolysis Bullosa, Mallipeddi R, Wessagowit V, South AP, Robson AM, Orchard GE, Eady RAJ, McGrath JA, 1302
Reduced Fibroblast Interaction with Intact Collagen as a Mechanism for Depressed Collagen Synthesis in Photodamaged Skin, Varani J, Schuger L, Dame MK, Leonard C, Fligiel SEG, Kang S, Fisher GJ, Voorhees JJ, 1471
reepithelialization, 216
regeneration, 239
regenerative therapy, 1061
Regulation of Human Melanoma Growth and Metastasis by AGE–AGE Receptor Interactions, Abe R, Shimizu T,

Sugawara H, Watanabe H, Nakamura H, Choei H, Sasaki N, Yamagishi S-i, Takeuchi M, Shimizu H, 461
Regulation of MAPK Activation, AP-1 Transcription Factor Expression and Keratinocyte Differentiation in Wounded Fetal Skin, Gangnuss S, Cowin AJ, Daehn IS, Hatzirodos N, Rothnagel JA, Varelias A, Rayner TE, 791
Relationship Between NMF (Lactate and Potassium) Content and the Physical Properties of the Stratum Corneum in Healthy Subjects, Nakagawa N, Sakai S, Matsumoto M, Yamada K, Nagano M, Yuki T, Sumida Y, Uchiwa H, 755
relative risk, 873
remodeling, 773
Researcher Opinions on Human Embryonic Stem Cell Issues, Drake AL, Heilig LF, Kozak KZ, Hester EJ, Dellavalle RP, 855
Responses of Black and White Skin to Solar-Simulating Radiation: Differences in DNA Photodamage, Infiltrating Neutrophils, Proteolytic Enzymes Induced, Keratinocyte Activation, and IL-10 Expression, Rijken F, Bruijnzeel PLB, van Weelden H, Kiekens RC, 1448
retinoic acid, 565
retinoic acid receptors, 1037
retinoids, 1037
ribozyme, 369
Roles for CD30 in the Biology and Treatment of $CD30^+$ Lymphoproliferative Diseases, Granados S, Hwang ST, 1345
Rosiglitazone Inhibits Proliferation, Motility, and Matrix Metalloproteinase Production in Keratinocytes, Bhagavathula N, Nerusu KC, Lal A, Ellis CN, Chittiboyina A, Avery MA, Ho CI, Benson SC, Pershadsingh HA, Kurtz TW, Varani J, 130
RPE65 of Retinal Pigment Epithelium, A Putative Receptor Molecule for Plasma Retinol-Binding Protein, is Expressed in Human Keratinocytes, Hinterhuber G, Cauza K, Brugger K, Dingelmaier-Hovorka R, Horvat R, Wolff K, Foedinger D, 406

S

S100C, 29
scarring, 1302
Schwann cell, 177
scleroderma, 1, 44
Sculpting Skin Appendages out of Epidermal Layers via Temporally and Spatially Regulated Apoptotic Events, Chang C-H, Yu M, Wu P, Jiang T-X, Yu H-S, Widelitz RB, Chuong C-M, 1348
seborrheic keratosis, 443
secretase, 1372
secreted protein, 1225
selectin, 1061
sensory end organ, 177
serine proteases, 314, 805
Sezary cells, 111, 820
Sézary Syndrome, 579, 820
Sezary Syndrome Cells Unlike Normal Circulating T Lymphocytes Fail to Migrate Following Engagement of NT_1 Receptor, Magazin M, Poszepczynska-Guigné E, Bagot M, Boumsell L, Pruvost C, Chalon P, Culouscou J-M, Ferrara P, Bensussan A, 111
SF-36, 1372
shaving, 652
shedding, 1372
Sheet Preparations Expose the Dermal Nerve Plexus of Human Skin and Render the Dermal Nerve End Organ Accessible to Extensive Analysis, Tschachler E, Reinisch CM, Mayer C, Paiha K, Lassmann H, Weninger W, 177
SID 2004 Meeting Abstracts, 862
signal transduction, 414
Signaling Events During Induction of Plasminogen Activator Inhibitor-1 Expression by Sphingosylphosphorylcholine in Cultured Human Dermal Fibroblasts, Kye K-C, Chae E-K, Piao Y-J, Park S, Park J-K, Kim CD, Lee J-H, Suhr K-B, 1365
Single-Nucleotide Polymorphisms of Vascular Endothelial Growth Factor in Psoriasis of Early Onset, Young HS, Summers AM, Bhushan M, Brenchley PEC, Griffiths CEM, 209
singlet oxygen, 477
skin, 119, 300, 484, 673, 747, 830, 945, 965, 1042, 1188, 1406, 1432, 1440, 1463, 1471
skin aging, 1096
skin cancer, 190, 1037
skin color, 423
skin disease, 707
skin nerves, 177
skin pigmentation, 159
skin tumor, 443
skin type, 423
small bowel, 685
sodium arsenite, 125
solar simulated radiation, 295
Solar-Simulated Ultraviolet Radiation-Induced Upregulation of the Melanocortin-1 Receptor, Proopiomelanocortin, and α-Melanocyte-Stimulating Hormone in Human Epidermis *In Vivo*, Schiller M, Brzoska T, Böhm M, Metze D, Scholzen TE, Rougier A, Luger TA, 468
sonic hedgehog (Shh), 1348
Spectral Responses of Melanin to Ultraviolet A Irradiation, Ou-Yang H, Stamatas G, Kollias N, 492
spectroscopy, 492
sphingomyelinase, 1423
sphingosylphosphorylcholine, 1365
spin trapping, 1000
squamous cell carcinoma, 1456
SSCP, 342
Staphylococcus Aureus Exfoliative Toxins: How They Cause Disease, Plano LRW, 1070
steatocystoma multiplex, 965
stem, 1084
stem cell factor, 1256
stem cells, 433
STI571, 400
strain rate, 739
stratifin, 1188
stratum corneum, 722, 739, 755, 909, 971, 1235
Stratum Corneum Acidification in Neonatal Skin: Secretory Phospholipase A_2 and the Sodium/Hydrogen Antiporter-1 Acidify Neonatal Rat Stratum Corneum, Fluhr JW, Behne MJ, Brown BE, Moskowitz DG, Selden C, Mao-Qiang M, Mauro TM, Elias PM, Feingold KR, 320
stratum corneum pH, 320
stroke, 429
Structural and Functional Consequences of Loricrin Mutations in Human Loricrin Keratoderma (Vohwinkel Syndrome with Ichthyosis), Schmuth M, Fluhr JW, Crumrine DC, Uchida Y, Hachem J-P, Behne M, Moskowitz DG, Christiano AM, Feingold KR, Elias PM, 909
structure–activity relationship, 993
sulfate, 1207
sulfotransferase, 1207
sunburn, 183
sunburn cell, 497
sunlight, 468

Sunlight Exposure and (Sero)Prevalence of Epidermodysplasia Verruciformis-Associated Human Papillomavirus, Termorshuizen F, Feltkamp MCW, Struijk L, de Gruijl FR, Bavinck JNB, van Loveren H, 1456
sunscreening agents, 468
superoxide radical, 1000
surface plasmon resonance, 747
survey, 39
syndecan, 614

T

T cell epitopes, 927
T Cell Epitope-Specific Defects in the Immune Response to Cat Allergen in Patients with Atopic Dermatitis, Carneiro R, Reefer A, Wilson B, Hammer J, Platts-Mills T, Custis N, Woodfolk J, 927
T helper 1, 119
T helper 2 cytokines, 119
T lymphocytes, 1133
Tandem *BRAF* Mutations in Primary Invasive Melanomas, Thomas NE, Alexander A, Edmiston SN, Parrish E, Millikan RC, Berwick M, Groben P, Ollila DW, Mattingly D, Conway K, 1245
tandem mutation, 1245
tape-stripping, 1020
TARC, 20
TCR, 574
tea tree oil, 349
TECK, 685
temperature, 739
tenascin, 1406
Terpinen-4-ol, The Main Component of *Melaleuca Alternifolia* (Tea Tree) Oil Inhibits the *In Vitro* Growth of Human Melanoma Cells, Calcabrini A, Stringaro A, Toccacieli L, Meschini S, Marra M, Colone M, Salvatore G, Mondello F, Arancia G, Molinari A, 349
TGF-β, 1, 1175
The Bone Marrow Is Akin to Skin: HCELL and the Biology of Hematopoietic Stem Cell Homing, Sackstein R, 1061
The Cell Infiltrate in Lymphomatoid Papulosis Comprises a Mixture of Polyclonal Large Atypical Cells (CD30-Positive) and Smaller Monoclonal T cells (CD30-Negative), Gellrich S, Wernicke M, Wilks A, Lukowsky A, Muche JM, Jasch KC, Audring H, Mason D, Sterry W, 859
The Epidermal Stem Cell Factor Is Over-Expressed in Lentigo Senilis: Implication for the Mechanism of Hyperpigmentation, Hattori H, Kawashima M, Ichikawa Y, Imokawa G, 1256
The Human Hair Bulb is a Source and Target of CRH, Ito N, Ito T, Bettermann A, Paus R, 235
The Melanoma Inhibitor of Apoptosis Protein: A Target for Spontaneous Cytotoxic T Cell Responses, Andersen MH, Reker S, Becker JC, thor Straten P, 392
The Prostaglandin E1 Analog Misoprostol Reduces Symptoms and Microvascular Arteriovenous Shunting in Erythromelalgia—A Double-Blind, Crossover, Placebo-Compared Study, Mørk C, Salerud EG, Asker CL, Kvernebo K, 587
The RAIG Family Member, GPRC5D, Is Associated with Hard-Keratinized Structures, Inoue S, Nambu T, Shimomura T, 565
The Ultraviolet Fingerprint Dominates the Mutational Spectrum of the *p53* and *Ha-ras* Genes in Psoralen + Ultraviolet A Keratoses from Psoriasis Patients, Wolf P, Kreimer-Erlacher H, Seidl H, Bäck B, Soyer HP, Kerl H, 190
therapy, 1037
thiazolinedione, 130
thrombospondin (TSP-1), 201
tissue engineering, 631
TNF, 87
toll-like receptors, 95
Topical Application of a Protein Kinase C Inhibitor Reduces Skin and Hair Pigmentation, Park H-Y, Lee J, González S, Middelkamp-Hup MA, Kapasi S, Peterson S, Gilchrest BA, 159
topical corticosteroids, 824
Topical Estrogen Accelerates Hair Regrowth in Mice After Chemotherapy-Induced Alopecia by Favoring the Dystrophic Catagen Response Pathway to Damage, Ohnemus U, Ünalan M, Handjiski B, Paus R, 7
transacylase, 773
transcription, 863
transcription factors, 125, 1078
transdermal penetration, 993
transepidermal water loss, 314, 909
transgenic T cell, 945
trans-Golgi network, 1137
Treatment with 5-Fluorouracil and Celecoxib Displays Synergistic Regression of Ultraviolet Light B-Induced Skin Tumors, Wilgus TA, Breza TS, Tober KL, Oberyszyn TM, 1488
Trichothiodystrophy Fibroblasts Are Deficient in the Repair of Ultraviolet-Induced Cyclobutane Pyrimidine Dimers and (6–4)Photoproducts, Nishiwaki Y, Kobayashi N, Imoto K, Iwamoto T-a, Yamamoto A, Katsumi S, Shirai T, Sugiura S, Nakamura Y, Sarasin A, Miyagawa S, Mori T, 526
trinitrophenyl, 945
Triple Helix-Mediated Inhibition of Gene Expression Is Increased by PUVA, Besch R, Marschall C, Schuh T, Giovannangeli C, Kammerbauer C, Degitz K, 1114
Truncation of Activated Leukocyte Cell Adhesion Molecule: A Gateway to Melanoma Metastasis, van Kempen LCLT, Meier F, Egeblad M, Kersten-Niessen MJF, Garbe C, Weidle UH, van Muijen GNP, Herlyn M, Bloemers HPJ, Swart GWM, 1293
tryptophan, 953
TTD, 526
tubulin, 29
tumors, 1078
tumor immunity, 392
tumor immunology, 699, 1570
tumor marker, 820
tumor necrosis factor, 717
Tumor Necrosis Factor-α and Interferon-γ Polymorphisms Contribute to Susceptibility to Oral Lichen Planus, Carrozzo M, de Capei MU, Dametto E, Fasano ME, Arduino P, Broccoletti R, Vezza D, Rendine S, Curtoni ES, Gandolfo S, 87
tumor supressor genes, 1284
tumors, 1042, 1078
TWEAK, 1175
type II collagen, 878
Type II Collagen Accumulation in Overlying Dermo-Epidermal Junction of Pilomatricoma Is Mediated by Bone Morphogenetic Protein 2 and 4, Mieno H, Kuroda K, Shinkai H, Yoshioka H, Tajima S, 878
type VII collagen, 1302
Tyrosine-Induced Melanogenesis Shows Differences in Morphologic and Melanogenic Preferences of Melanosomes from Light and Dark Skin Types, van Nieuwpoort F, Smit NPM, Kolb R, van der Meulen H, Koerten H, Pavel S, 1251

U

ultradian rhythm, 824
ultraviolet A, 533

Ultraviolet A Radiation-Induced Immediate Iron Release Is a Key Modulator of the Activation of NF-κB in Human Skin Fibroblasts, Reelfs O, Tyrrell RM, Pourzand C, 1440
ultraviolet A-1, 477
ultraviolet B, 300
Ultraviolet B Radiation Suppresses Endocytosis, Subsequent Maturation, and Migration Activity of Langerhans Cell-Like Dendritic Cells, Mizuno K, Okamoto H, Horio T, 300
Ultraviolet B-Induced Skin Angiogenesis Is Associated with a Switch in the Balance of Vascular Endothelial Growth Factor and Thrombospondin-1 Expression, Yano K, Kajiya K, Ishiwata M, Hong Y-K, Miyakawa T, Detmar M, 201
ultraviolet light, 1277, 1480
ultraviolet radiation, 183, 190, 291, 423, 510
Ultraviolet Radiation Causes Less Immunosuppression in Patients with Polymorphic Light Eruption Than in Controls, Palmer RA, Friedmann PS, 291
Ultraviolet Radiation-Induced Inflammation as a Model for Cutaneous Hyperalgesia, Harrison GI, Young AR, McMahon SB, 183
ultraviolet rays, 468
Ultraviolet-Radiation-Induced Erythema and Suppression of Contact Hypersensitivity Responses in Patients with Polymorphic Light Eruption, van de Pas CB, Kelly DA, Seed PT, Young AR, Hawk JLM, Walker SL, 295
Upregulation of 8-Lipoxygenase in the Dermatitis of IκB-α-Deficient Mice, Schneider C, Strayhorn WD, Brantley DM, Nanney LB, Yull FE, Brash AR, 691
UVA, 1020, 1440
UVA radiation, 1030
UVB-Irradiated Dendritic Cells Fail to Tolerize Murine $CD8^+$ Naïve or Effector T Cells, Dudda JC, Denfeld RW, Simon JC, Martin SF, 945
UVR exposure, 1456

V

Validity Issues with the *In Vivo* Measurement of Skin Carotenoids Using Raman Spectroscopy, Hammond BR, Wooten BR, 544
Variation at the *IRF2* Gene and Susceptibility to Psoriasis in Chromosome 4q-Linked Families, Parkinson J, Charon C, Baker BS, Powles AV, Rogers S, Caird A, Smedley D, Halford S, Fry L, McCarthy MI, 640
Variations of Hair Follicle Size and Distribution in Different Body Sites, Otberg N, Richter H, Schaefer H, Blume-Peytavi U, Sterry W, Lademann J, 14
vascular regression, 201
VEGF, 209
VEGF receptors, 209
vessels, 614
vinculin, 00
vitamin D, 984
vitiligo, 307
vitronectin (VN), 1198

W

Wee1, 1356
wnt, 239
Wnt Signaling through the β-Catenin Pathway Is Sufficient to Maintain, but Not Restore, Anagen-Phase Characteristics of Dermal Papilla Cells, Shimizu H, Morgan BA, 239
wound healing, 216, 764, 791, 1126, 1302
wound, 222
Wounds, 266

X

xeroderma pigmentosum, 526
X-linked ichthyosis, 314
XPB, 526
X-ray microanalysis, 1251
XRCC3, 429